# 9. PROJECT ORGANIZATION AND RESPONSIBILITIES

The organization structure for this project reflects the resources and expertise required to perform the work, while minimizing the risks to worker health and safety. As outlined in the FFA/CO, each of the three signatory agencies (DOE, EPA, Idaho Department of Environmental Quality) has assigned a WAG project manager (PM). The WAG project manager's responsibility is to oversee the effective implementation of actions stated in final action documents such as the INTEC OU 3-13 ROD. This section is divided into two subsections that outline the responsibilities of key Bechtel BWXT Idaho, LLC (BBWI) work-site personnel only. Job titles of the individuals who will be filling key roles at the work site, and lines of responsibility and communication are shown in Figure 9-1. Section 9.2 discusses those positions that will supply support for the activities in the field but are not required to be onsite.

# 9.1 Job-Site Personnel

This section lists the expected personnel on the job site.

#### 9.1.1 Project Manager

The PM coordinates all document preparation, file, laboratory, and modeling activities associated with this project and is responsible for the overall scope, schedule, and budget of this project. The PM will ensure that all activities conducted during the project comply with the following:

- INTEC site director requirements
- Management control procedures (MCPs) and program requirements directives (PRDs)
- All applicable Occupational Safety and Health Administration (OSHA), EPA, DOE, DOT, and State of Idaho requirements
- The QAPiP, the project HASP, the project WMP, and this LTMP.

The PM will oversee preparation, review, and implementation of the LTMP to ensure work is performed as planned. The PM is responsible for (1) developing resource loaded, time-phased control account plans based on the project's technical requirements, budgets, and schedules and (2) assigning project tasks. Other functions and responsibilities of the PM related to completion of field activities include the following:

- Developing the site-specific plans required by the Environmental Restoration (ER) Program such as Work Plans, environmental HASPs, SAPs, etc.
- Ensuring that project activities and deliverables meet schedule and scope requirements as described in the FFA/CO Attachment A "Action Plan for Implementation of the Federal Facility Agreement and Consent Order" (DOE-ID 1991) and applicable guidance
- Coordinating and interfacing with units within the program support organization on issues relating to QA, environmental safety and health (ES&H), and National Environmental Policy Act (NEPA) support for the project

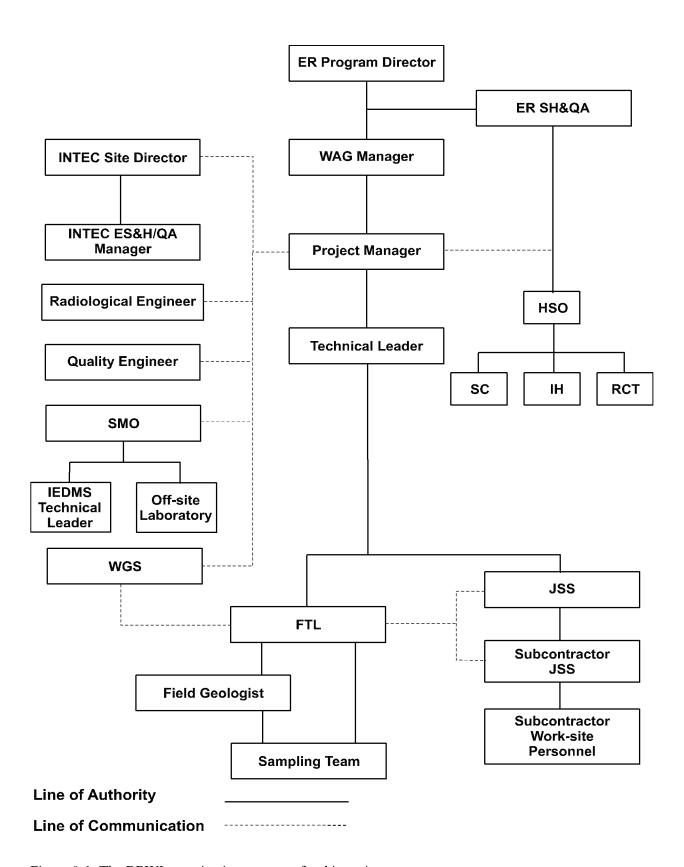


Figure 9-1. The BBWI organization structure for this project.

- Coordinating the site-specific data collection, review for technical adequacy, and data input to an approved database such as the ERIS
- Coordinating and interfacing with subcontractors to ensure milestones are met, adequate
  management support is in place, technical scope is planned and executed appropriately, and project
  costs are kept within budget.

#### 9.1.2 Technical Leader

The technical leader provides technical expertise and oversees the preparation, review, and implementation of the LTMP to ensure work is technically correct. The technical leader works with the PM to ensure that

- Site-specific plans required by the ER program, such as Work Plans, HASPs, SAPs, etc., are prepared
- Activities and deliverables meet schedule and scope requirements as described in the FFA/CO
  Attachment A "Action Plan for Implementation of the Federal Facility Agreement and Consent
  Order" (DOE-ID 1991) and applicable guidance
- Issues relating to QA, ES&H, and NEPA support for the project are resolved.

The technical leader may function as the field team leader (FTL) at the job site.

#### 9.1.3 Field Team Leader

The FTL represents the ER organization at the job site with delegated responsibility for the safe and successful completion of the project. The FTL works with the PM to manage field sampling or operations, and to execute the work plan. The FTL enforces work-site control, documents activities, and may conduct the daily safety briefings at the start of the shift. Health and safety issues must be brought to the attention of the FTL.

If the FTL leaves the job site, an alternate individual will be appointed to act as the FTL. Persons who act as the FTL on the job site must meet all the FTL training requirements as outlined in the project HASP. The identity of the acting FTL shall be conveyed to work-site personnel, recorded in the FTL logbook, and communicated to the INTEC director, or designee, when appropriate.

The FTL shall comply with the requirements by completing the briefings and reviews, and submitting the documentation to the INTEC site director and ER Environment, Safety and Health/Quality Assurance (ES&H/QA) manager. The FTL shall complete the job requirements checklist (JRC).

The FTL will be responsible for ensuring compliance with waste management requirements and coordinating such activities with the environmental compliance coordinator and/or designee.

# 9.1.4 Health and Safety Officer

The health and safety officer (HSO) is the person located at the work site who serves as the primary contact for health and safety issues. The HSO shall assist the FTL on all aspects of health and safety (which includes complying with the enhanced work planning process), and is authorized to stop work at the work site if any operation threatens worker or public health and/or safety. The HSO may be assigned other responsibilities, as stated in other sections of the project HASP, as long as they do not

interfere with the primary responsibilities stated here. The HSO is authorized to verify compliance with directed actions, as appropriate. Other ES&H professionals at the work site (safety coordinator [SC], industrial hygienist [IH], RCT, radiological engineer, environmental compliance coordinator, and facility representative[s]) may support the HSO, as necessary.

Any persons assigned as the HSO, or alternate HSO, must be qualified (per OSHA definition) to recognize and evaluate hazards, and will be given the authority to take or direct actions to ensure that workers are protected. While the HSO may also be the IH, SC, or in some cases the FTL at the work site, (depending on the hazards, complexity and size of the activity involved, and with concurrence from the ER ES&H/QA manager) other task-site responsibilities of the HSO must not conflict (philosophically or in terms of significant added volume of work) with the role of the HSO at the work site.

If it is necessary for the HSO to leave the work site, an alternate individual will be appointed by the HSO to fulfill this role. The identity of the acting HSO will be recorded in the FTL logbook, and work-site personnel will be notified.

# 9.1.5 Industrial Hygienist

The assigned IH is the primary source for information regarding nonradiological hazardous and toxic agents at the task site. The IH will assist the FTL in completing the JRC, and will assess the potential of worker exposure to hazardous agents according to applicable manuals, MCPs, and accepted industry IH practices and protocol. By participating in work-site characterization, the IH assesses and recommends appropriate hazard controls for the protection of work-site personnel, operates and maintains airborne sampling and monitoring equipment, and reviews for effectiveness, and recommends and assesses the use of PPE required in the project HASP (recommending changes as appropriate).

Following an evacuation, the IH, in conjunction with other recovery team members, will assist the FTL in determining whether conditions exist for safe work-site reentry as described in the project HASP. Personnel showing health effects (signs and symptoms) resulting from possible exposure to hazardous agents will be referred to an Occupational Medical Program physician by the IH, their supervision, or the HSO. The IH may have other duties at the work site, as specified in the project HASP, or in PRDs and/or MCPs. During emergencies involving hazardous materials, airborne sampling and monitoring results will be coordinated with members of the Emergency Response Organization.

# 9.1.6 Radiological Control Technician

The assigned RCT is the primary source for information and guidance on radiological hazards. The RCT will be present at the job site during any work operations when a radiological hazard to personnel may exist or is specifically anticipated. The RCT will also assist the FTL in completing the JRC. Responsibilities of the RCT include radiological surveying of the work site, equipment, and samples; providing guidance for radioactive decontamination of equipment and personnel; and accompanying affected personnel to the nearest INEEL medical facility for evaluation if significant radiological exposure occurs. The RCT may have other duties at the job site as specified in the project HASP or in PRDs and/or MCPs.

### 9.1.7 Job Site Supervisor

The job site supervisor (JSS) serves as the representative for the Facilities, Utilities, and Maintenance (FUM) Department, Site Services Branch, at the task site. The JSS is the supervisor of crafts and other FUM personnel assigned to work at the job site. The JSS is the interface between FUM and ER, and works closely with the FTL at the work site to ensure that the objectives of the project are

accomplished in a safe and efficient manner. The JSS and FTL work as a team to accomplish day-to-day operations at the job site; identify and obtain additional resources needed at the job site; and interact with the HSO, IH, SC, RCT, and/or radiological engineer on matters regarding health and safety. The JSS, like the FTL, must be informed about any health and safety issues that arise at the work site and may stop work at the job site if an unsafe condition exists. The JSS also shares the FTL's responsibility for daily prejob briefings.

# 9.1.8 Subcontractor Job Site Supervisor

A subcontractor JSS serves as the subcontractor safety representative at the work site. The subcontractor JSS may also serve as the subcontractor PM. The subcontractor JSS is the subcontractor field supervisor for subcontractor personnel assigned to work at the job site. The subcontractor JSS and FTL work as a team to accomplish day-to-day operations at the work site; identify and obtain additional resources needed at the work site; and interact with the HSO, IH, SC, RCT, and/or radiological engineer on matters regarding health and safety. The subcontractor JSS, like the FTL, must be informed about any health and safety issues that arise at the work site and may stop work at the job site if an unsafe condition exists. The subcontractor JSS will provide information to the FTL regarding the nature of their work for input at the daily prejob briefing.

# 9.1.9 Sampling Team

The sampling team will perform the onsite tasks necessary to collect, package, and ship samples. Tasks may include the physical collection of sample material, completion of chain-of-custody and shipping request forms, and proper packaging of samples in accepted shipping containers (property labels and sealed coolers). The size and makeup of the sampling team will be dependent on the extent of the sampling task. The IH and RCT will support the sampling team when sampling is performed inside the contamination area. The sampling team may be led by the FTL or a designated sample team lead (STL).

#### 9.1.10 Work Site Personnel

All work-site personnel shall understand and comply with the requirements of the project HASP. The FTL or JSS will brief work-site personnel at the start of each shift. During the prejob briefing all daily tasks, associated hazards, engineering and administrative controls, required PPE, work control documents, and emergency conditions and actions will be discussed. Input from the project HSO, IH, RCT, and/or radiological engineer to clarify task health and safety requirements will be provided. All personnel are encouraged to ask questions regarding site tasks and provide suggestions on ways to perform required tasks in a more effective manner based on the lessons learned from previous day's activities.

Once at the job site, personnel are responsible for identifying any potentially unsafe situations or conditions and reporting them to the FTL, JSS, or HSO for corrective action. All work-site personnel are authorized to stop work immediately if they perceive that an unsafe condition poses imminent danger. They must then notify the FTL, JSS, or HSO of the unsafe condition.

# 9.2 Supporting Personnel

The following subsections list the expected support personnel.

#### 9.2.1 Environmental Restoration Director

The ER director has ultimate management and operation contractor responsibility for the technical quality of all projects, maintaining a safe environment, and the safety and health of all personnel during field activities performed by or for the ER program. The ER director provides technical coordination and interfaces with DOE-ID. The ER director ensures that

- Project/program activities are conducted according to all applicable federal, state, local, and company requirements and agreements.
- Program budgets and schedules are approved and monitored to be within budgetary guidelines.
- Personnel, equipment, subcontractors, and services are available.
- Direction is provided for the development of tasks, evaluation of findings, development of conclusions and recommendations, and production of reports.

#### 9.2.2 INTEC Site Area Director

The INTEC site area director (SAD) has the authority and responsibility to ensure proper ownership review of all activities within the INTEC facility for all work processes and packages. The SAD's authority includes, but is not limited to, the following:

- Establishing and executing monthly, weekly, and daily operating plans
- Executing the INTEC ES&H/QA program
- Executing the enhanced work planning for INTEC
- Executing the Voluntary Protection Program in the area
- Ensuring environmental compliance within the area
- Executing that portion of the voluntary compliance order that pertains to the area
- Correcting the root cause functions of the accident investigation in the area
- Correcting the root cause functions of the voluntary compliance order for the area.

#### 9.2.3 CFA Site Area Director

Since much of the scope of this project is outside the INTEC fence line, the project activities must be coordinated with CFA management and personnel. The CFA SAD's authority is similar to that described above for the INTEC SAD.

# 9.2.4 ER SH&QA Manager

The ER safety, health, and quality assurance (SH&QA) manager, or designee, is responsible to ensure that ES&H oversight is provided for all ER programs and projects. This position reports to and is accountable to the ER director. The ER S&H/QA manager performs line management review, inspections, and oversight. Project or program management will bring all ES&H/QA concerns, questions,

comments, and disputes that can not be resolved by the HSO or one of the assigned ES&H professionals to the ER SH&QA manager or the INTEC ES&H/QA manager.

# 9.2.5 INTEC ES&H/QA Manager

The INTEC ES&H/QA manager, or designee, is responsible to ensure that ES&H oversight is provided for all ER programs and projects. This position reports to and is accountable to the ER director.

### 9.2.6 Safety Coordinator

The assigned SC reviews work packages, periodically observes work-site activity, assesses compliance with the applicable company manuals, signs safe work permits, advises the FTL on required safety equipment, answers questions on safety issues and concerns, and recommends solutions to safety issues and concerns that arise at the work site. The SC shall assist the FTL in completing the JRC. The SC may have other duties at the work site as specified in the project HASP, or in PRDs, and/or MCPs. The fire protection engineer's function is included under SC designation, and is the person assigned to review work packages and perform field assessments for fire protection controls.

# 9.2.7 Radiological Engineer

The radiological engineer is the primary source for information and guidance relative to the evaluation and control of radioactive hazards at the work site. If a radiological hazard exists or occurs at the job site, the radiological engineer makes recommendations to minimize health and safety risks to work-site personnel. Responsibilities of the radiological engineer include (1) performing radiation exposure estimates and as low as reasonably achievable evaluations, (2) identifying the types(s) of radiological monitoring equipment necessary for the work, (3) advising the FTL and RCT of changes in monitoring or PPE, and (4) advising personnel on work-site evacuation and reentry. The radiological engineer may also have other duties to perform as specified in the project HASP or in the applicable company manuals.

#### 9.2.8 Environmental Compliance Coordinator

The assigned environmental compliance coordinator monitors and advises the PM, technical leader, and FTL performing job-site activities on environmental issues and concerns by ensuring compliance with DOE orders, EPA regulations, and other regulations concerning the effect of work-site activities on the environment.

The environment compliance coordinator provides support surveillance services for hazardous waste storage and transport, and surface-water/storm-water runoff control. The environmental compliance coordinator shall assist the FTL in completing the JRC.

# 9.2.9 Quality Engineer

The quality engineer provides guidance on the work-site quality issues, when requested. The quality engineer observes work-site activities and verifies that work-site operations comply with quality requirements pertaining to these activities. The quality engineer identifies activities that do not comply or have the potential for not complying with quality requirements and suggests corrective actions.

#### 9.2.10 Sample and Analysis Management

The INEEL SAM has the responsibility to obtain laboratory services as required to meet the needs of this project. They will also ensure that data generated from samples meet the needs of the project by validating all analytical laboratory data to resident protocol, and ensuring that data is reported to the project in a timely fashion as required by the FFA/CO.

The laboratory contracted by the SAM will have overall responsibility for laboratory quality, laboratory cost control, laboratory personnel management, and adherence to agreed-upon laboratory schedules. Responsibilities of the laboratory personnel include preparing analytical reports, ensuring chain-of-custody information is complete, and ensuring all QA/QC procedures are implemented in accordance with SAM task order statements of work and master task agreements generated by the SAM.

# 9.2.11 Integrated Environmental Data Management System Technical Leader

The IEDMS technical leader will interface with the PM during the preparation of the SAP database. This individual also provides guidance on the appropriate number of field quality control samples required by the QAPjP. The sample numbers used by the project are unique from all others ever assigned by IEDMS. The preparation of the plan database, along with completion of the SAM request services form, initiates the sample tracking and sample waste tracking activities performed by the SAM.

#### 9.2.12 Waste Generator Services Personnel

Waste Generator Services (WGS) personnel provide support to the project in the area of waste segregation, storage, and disposal. For this project a WGS engineer will be assigned to take care of all waste generated from the tasks conducted for this project.

# 9.2.13 Occasional Workers

All persons who may be on the project work site, but are not part of the field team, are considered occasional workers for the purposes of this project (e.g., surveyor, equipment operator, or other crafts personnel not assigned to the project). A person shall be considered "onsite" when they are present in or beyond the designated support zone. Occasional workers will be deemed occasional site workers per 29 CFR 1910.120 and 29 CFR 1926.65, and must meet minimum training requirements for such workers as described in the OSHA standard and any additional site-specific training as identified in the project HASP.

All occasional workers, including contractor and subcontractor employees who are not working on the project, or nonessential representatives of DOE and/or state and federal regulatory agencies, may not proceed beyond the support zone without receiving job-specific HASP training, signing the job-specific HASP training acknowledgment form, receiving a full safety briefing, wearing the appropriate PPE, and providing proof of meeting the minimum training requirements specified in the project HASP. A fully trained job-site representative (such as the FTL, JSS, HSO, or a designated alternate) will escort occasional workers at all times while on the task site.

#### **9.2.14** Visitors

All visitors with official business at the project task site, including contractor and subcontractor personnel, representatives of DOE, and/or state or federal regulatory agencies, may not proceed beyond the support zone without receiving project-specific HASP training, signing the HASP training acknowledgment form, receiving a full safety briefing, wearing the appropriate PPE, and providing proof

of meeting the minimum training requirements as specified in the project HASP. A fully trained job-site representative (such as the FTL, JSS, HSO or a designated alternate) will escort visitors at all times while at the work site.

A casual visitor to the work site is a person who does not have a specific task to perform or other official business to conduct at the work site. Casual visitors are not permitted at the job site(s) for the Group 5 groundwater sampling and monitoring.

# 10. WASTE MANAGEMENT

Remediation-derived waste generated during the OU 3-13, Group 5, groundwater sampling may include the following:

- Contaminated PPE, wipes, bags, and other refuse
- Contaminated sampling equipment
- Purge water
- Used sample containers and disposable sampling equipment
- Aqueous and liquid organic analytical wastes
- Analytical debris (e.g., glassware, pipettes).

The disposition and handling of waste for this project will be consistent with the project-specific WMP for OU 3-13, Group 5 groundwater (DOE-ID 2003). However, field personnel will be responsible for the initial segregation of waste based on sampling conditions and/or location. The segregation of waste will play an important role in the reduction of waste generated by this project.

# 11. HEALTH AND SAFETY

Work performed for the Group 5 LTMP will be performed in accordance with the project HASP (INEEL 2003).

# 12. DOCUMENT MANAGEMENT

Subsection 12.1 summarizes document management and sample control. Documentation includes field logbooks used to record field data and sampling procedures, chain-of-custody forms, and sample container labels. The analytical results from this field investigation will be documented in reports.

# 12.1 Documentation

The FTL will be responsible for controlling and maintaining all field documents and records, and for verifying that all required documents to be submitted to the INEEL SAM are maintained in good condition. All entries will be made in indelible black ink. Errors will be corrected by drawing a single line through the error, and entering the correct information. All corrections will be initialed and dated.

# 12.1.1 Sample Container Labels

Waterproof, gummed labels generated from the SAP database will display information such as the unique sample identification number, the name of the project, sample location, and analysis type. Labels will be completed and placed on the containers in the field before collecting the sample. Sample team members will provide information necessary for label completion. Such information may include sample date, time, preservative used, field measurements of hazards, and the sampler's initials.

#### 12.1.2 Field Guidance Form

Field guidance forms, provided for each sample location, will be generated from the SAP database, to ensure unique sample numbers. These forms are used to facilitate sample container documentation and organization of field activities, and contain information regarding the following:

- Media
- Sample ID numbers
- Sample location
- Aliquot ID
- Analysis type
- Container size and type
- Sample preservation.

# 12.1.3 Field Logbooks

In accordance with INEEL SAM format, field logbooks will be used to record information necessary to interpret the analytical data. All field logbooks will be controlled and managed to assure the integrity of the record in accordance with Section XX of the FFA/CO.

**12.1.3.1 Sample/Shipping Logbook.** Sample logbooks will be used by the field teams. Each sample logbook will contain information such as:

• Physical measurements (if applicable)

- All quality control samples
- Shipping information (e.g., collection dates, shipping dates, cooler ID number, destination, chain-of-custody number, name of shipper)
- All team activities
- Problems encountered
- Visitor log
- List of site contacts.

This logbook will be signed and dated at the end of each day's sampling activities.

**12.1.3.2** Field Instruments Calibration/Standardization Logbook. A logbook containing records of calibration data will be maintained for each piece of equipment requiring periodic calibration or standardization. This logbook will contain logsheets to record the date, time, method of calibration, and instrument ID number.

**12.1.3.3** Field Team Leader's Daily Logbook. A project logbook maintained by the FTL will contain a daily summary of the following:

- All field team activities
- Visitor log
- List of site contacts
- Problems encountered
- Any corrective actions taken as a result of field audits.

This logbook will be signed and dated at the end of each day's sampling activities.

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# Appendix A INTEC Area Aquifer Well Construction Summary

Screen Type STSЪ Д Д Ъ Ъ Ъ Ъ Ъ Ъ Diameter (in.) 16.0 16.0 16.0 16.0 16.0 10.0 12.0 10.0 16.0 12.0 5.0 Depth to Bottom 480.50 576.80 452.00 485.90 483.30 600.25 422.00 588.00 593.00 700.00  $(\mathfrak{t})$ Ż Screen Information Depth to Top (ft) 450.50 459.90 527.40 458.30 551.10 412.00 417.00 430.00 445.00 490.00 450.00 Diameter 20.0 24.0 20.0 (in.) 24.0 30.0 24.0 22.0 17.5 16.0 8.6 Depth to Bottom 605.3 598.0 585.5 130.0 450.0 485.5 700.0 50.0 22.0 27.5  $(\widehat{\mathbb{H}})$ Borehole Diameter Depth to Top (ft) 130.0 450.0 50.0 22.0 27.5 0.0 0.0 0.0 0.0 0.0 Table A-1. The INTEC area aquifer well construction summary. Total Depth 989 605 598 700 486 Elevation 4915 4913 4914 4904 4907 Northing 694813 999969 696665 697487 697457 Monument Location Easting 296569 297948 298848 296166 296675  $\oplus$ Installed Year 1950 1950 1983 1995 1951 MON-A-021 INEEL Name CPP-3 CPP-1 CPP-2 CPP-4 ICPP-

TOS in DE(7) flow, BOS in I(2) flow

HI interbed 519 to 526 ft

TOS in E(1) flow, BOS in J(1) flow

HI interbed not present???

STS

5.0

510.00

490.00

510.0

0.0

585

4907

695336

298828

1995

ICPP-MON-A-022

HI interbed 350 to 361 ft

TOS in I(2) flow, BOS in K(1) flow

Notes On Aquifer

Stratigraphy

No log in anderson database

Table A-1. (continued).

| Notes On Aquifer<br>Stratigraphy                | TOS in E(1) flow,<br>BOS in E(1) flow | HI interbed not encountered | TOS in DE8(1) flow,<br>BOS in E(1) flow | H interbed<br>encountered 625 to<br>639 (TD) | TOS in I(1) flow,<br>BOS in I(2) flow | Interbeds: H(1) 620 to 641, HI(1) 641 to 669, | LI(1) interbed 803 to 810 | TOS in DE8(1) flow,<br>BOS in DE8(1) flow | HI interbed not encountered | TOS in DE8(1) flow,<br>BOS in DE8(1) flow | HI interbed not encountered | TOS in E(1) flow,<br>BOS in E(1) flow | HI interbed not encountered | TOS in DE8(1) flow,<br>BOS in DE8(1) flow |
|---|---------------------------------------|-----------------------------|---|--|---------------------------------------|---|---------------------------|---|-----------------------------|---|-----------------------------|---------------------------------------|-----------------------------|---|
| Screen<br>Type                                  | STS                                   |                             | STS                                     |  | Ь                                     | ᅀ   | WM                        | STS                                       |                             |   |                             | STS                                   |                             |   |
| Diameter<br>(in.)                               | 0.9                                   |                             | 4.0                                     |  | 6.0                                   | 6.0   | 0.9                       | 4.0                                       |                             |   |                             | 6.0                                   |                             |   |
| Depth to<br>Bottom<br>(ft)                      | 495.00                                |                             | 497.00                                  |  | 735.00                                | 745.00  | 765.00                    | 499.00                                    |                             | 492.00                                    |                             | 510.00                                |                             | 500.00                                    |
| Screen<br>Information<br>Depth to Top<br>(ft)   | 483.50                                |                             | 469.60                                  |  | 725.00                                | 735.00  | 755.00                    | 466.00                                    |                             | 470.00                                    |                             | 500.00                                |                             | 480.00                                    |
| Diameter<br>(in.)                               | 12.0                                  |                             | 10.0                                    |  | 12.0                                  |   | 8.0                       | 10.0                                      |                             |   |                             | 12.0                                  |                             |   |
| Depth to<br>Bottom<br>(ft)                      | 526.0                                 |                             | 676.0                                   |  | 627.0                                 |   | 820.0                     | 510.9                                     |                             |   |                             | 525.0                                 |                             |   |
| Borehole<br>Diameter<br>Depth to<br>Top<br>(ft) | 0.0                                   |                             | 0.0                                     |  | 0.0                                   |   | 627.0                     | 0.0                                       |                             |   |                             | 0.0                                   |                             |   |
| Total<br>Depth<br>(ft)                          | 526                                   |                             | 929                                     |  | 816                                   |   |                           | 511                                       |                             | 517                                       |                             | 525                                   |                             | 517                                       |
| Elevation (ft)                                  | 4932                                  |                             | 4932                                    |  | 4932                                  |   |                           | 4928                                      |                             | 4933                                      |                             | 4940                                  |                             | 4941                                      |
| Northing (ft)                                   | 682879                                |                             | 682901                                  |  | 682831                                |   |                           | 684292                                    |                             | 682926                                    |                             | 683112                                |                             | 682825                                    |
| Monument<br>Location<br>Easting<br>(ft)         | 294362                                |                             | 294198                                  |  | 294274                                |   |                           | 295463                                    |                             | 294022                                    |                             | 291544                                |                             | 291518                                    |
| Year<br>Installed                               | 1988                                  |                             | 1988                                    |  | 1988                                  |   |                           | 1989                                      |                             | 1990                                      |                             | 1988                                  |                             | 1990                                      |
| INEEL<br>Name                                   | LF2-08                                |                             | LF2-09                                  |  | LF2-10                                |   |                           | LF2-11                                    |                             | LF2-12                                    |                             | LF3-08                                |                             | LF3-09                                    |

Table A-1. (continued).

| INEEL<br>Name | Year<br>Installed | Monument<br>Location<br>Easting<br>(ft) | Northing<br>(ft) | Elevation<br>(ft) | Total<br>Depth<br>(ft) | Borehole<br>Diameter<br>Depth to<br>Top<br>(ft) | Depth to<br>Bottom<br>(ft) | Diameter D (in.) | Screen<br>Information<br>Depth to Top<br>(ft) | Depth to<br>Bottom<br>(ft) | Diameter<br>(in.) | Screen<br>Type | Notes On Aquifer<br>Stratigraphy             |
|---------------|-------------------|---|------------------|-------------------|------------------------|---|----------------------------|------------------|---|----------------------------|-------------------|----------------|--|
|               |                   |   |                  |                   |                        |   |                            |                  |   |                            |                   |                | HI interbed not encountered                  |
| LF3-10        | 1990              | 290880                                  | 683530           | 4943              | 530                    |   |                            |                  | 481.00  | 501.00                     |                   |                | TOS in DE8(1) flow,<br>BOS in DE8(1) flow    |
|               |                   |   |                  |                   |                        |   |                            |                  |   |                            |                   |                | HI interbed not encountered                  |
| LF3-11        | 1990              | 292687                                  | 686244           | 4934              | 532                    |   |                            |                  | 472.20  | 492.20                     |                   |                | TOS in DE8(1) flow,<br>BOS in DE8(1) flow    |
|               |                   |   |                  |                   |                        |   |                            |                  |   |                            |                   |                | HI interbed not encountered                  |
| USGS-20       | 1951              | 301229                                  | 686527           | 4916              |                        | 0.0   | 404.0                      | 12.0             | 471.17  | 480.98                     | 6.3               | Ь              | WL in E(1) flow                              |
|               |                   |   |                  |                   | 929                    | 404.0   | 0.929                      | 8.0              | 511.82  | 552.73                     | 6.3               | Ъ              | TOS in E(1) flow,<br>BOS in F(1) flow        |
|               |                   |   |                  |                   |                        |   |                            |                  |   |                            |                   |                | H(1) and HI(1) interbeds 611 to 676          |
| USGS-34       | 1954              | 292739                                  | 662069           | 4930              | 700                    | 0.0   | 363.0                      | 16.0             | 499.00  | 700.00                     | 8.0               | НО             | WL in E(1) flow                              |
|               |                   |   |                  |                   |                        | 363.0   | 499.0                      | 13.0             |   |                            |                   |                | TOS in E(1) flow,<br>BOS in J(1) flow        |
|               |                   |   |                  |                   |                        | 499.0   | 700.0                      | 10.0             |   |                            |                   |                | Interbeds:GH(1) 580 to 584, HI(1) 593 to 597 |
| JSGS-35       | 1955              | 292495                                  | 691251           | 4930              | 578.5                  | 0.0   | 39.0                       | >12              | 142.50  | 578.50                     | 7.0               | НО             | WL in E(1) flow                              |
|               |                   |   |                  |                   |                        | 39.0  | 144.5                      | 10.0             |   |                            |                   |                | TOS in D(1) flow,<br>BOS in H(1) flow        |
|               |                   |   |                  |                   |                        | 144.5   | 578.5                      | 7.0              |   |                            |                   |                | Interbeds not<br>encountered below<br>WL     |
| USGS-36       | 1955              | 292977                                  | 690358           | 4930              | 567.1                  | 0.0   | 37.0                       | 12.0             | 431.70  | 567.10                     | 6.0               | НО             | WL in E(1) flow                              |

Table A-1. (continued).

| Notes On Aquifer<br>Stratigraphy                | TOS in DE8(1) flow,<br>BOS in G(1) flow | Interbeds not<br>encountered below<br>WL | WL in E(1) flow | TOS in EF(1) flow,<br>BOS in G(1) flow | Interbeds not<br>encountered below<br>WL |       | WL in E(1) flow | TOS in I(2) flow,<br>BOS in I(1) flow | Interbeds: HI(1) 596 to 601, IJ(1) 700 to 705 |       | WL in E(1) flow | TOS in B(1) flow,<br>BOS in HI(1)<br>interbed | Interbeds: HI(1) 568 to 572 |       | WL in EF(1) flow | TOS in E(1) flow,<br>BOS in I(2) flow |
|---|---|--|-----------------|--|--|-------|-----------------|---------------------------------------|---|-------|-----------------|---|-----------------------------|-------|------------------|---------------------------------------|
| Screen<br>Type                                  |   |  | НО              |  |  |       | НО              |                                       |   |       | НО              |   |                             |       | Ь                |                                       |
| Diameter<br>(in.)                               |   |  | 6.0             |  |  |       | 4.0             |                                       |   |       | varies          |   |                             |       | 4.0              |                                       |
| Depth to<br>Bottom<br>(ft)                      |   |  | 571.50          |  |  |       | 729.00          |                                       |   |       | 571.89          |   |                             |       | 678.80           |                                       |
| Screen<br>Information<br>Depth to Top<br>(ft)   |   |  | 507.00          |  |  |       | 678.00          |                                       |   |       | 46.60           |   |                             |       | 456.17           |                                       |
| Diameter<br>(in.)                               | 8.0                                     | 6.0                                      | 12.0            | 10.0                                   | 8.0                                      | 6.0   | 12.0            | 10.0                                  | 8.0   | 0.9   | 12.0            | 10.0  | 8.0                         | 6.0   | 11.5             | 8.0                                   |
| Depth to<br>Bottom<br>(ft)                      | 394.7                                   | 567.1                                    | 41.5            | 197.0                                  | 507.0                                    | 573.0 | 26.0            | 156.0                                 | 505.0   | 729.0 | 48.0            | 152.0   | 507.0                       | 572.0 | 220.0            | 447.0                                 |
| Borehole<br>Diameter<br>Depth to<br>Top<br>(ft) | 37.0                                    | 394.7                                    | 0.0             | 41.5                                   | 197.0                                    | 507.0 | 0.0             | 26.0                                  | 156.0   | 505.0 | 0.0             | 48.0  | 152.0                       | 507.0 | 0.0              | 220.0                                 |
| Total<br>Depth<br>(ft)                          |   |  | 573             |  |  |       | 729             |                                       |   |       | 572             |   |                             |       | 8.879            |                                       |
| Elevation (ft)                                  |   |  | 4930            |  |  |       | 4930            |                                       |   |       | 4933            |   |                             |       | 4916             |                                       |
| Northing<br>(ft)                                |   |  | 689920          |  |  |       | 295689          |                                       |   |       | 691691          |   |                             |       | 694539           |                                       |
| Monument<br>Location<br>Easting<br>(ft)         |   |  | 293222          |  |  |       | 293575          |                                       |   |       | 292258          |   |                             |       | 295936           |                                       |
| Year<br>Installed                               |   |  | 1955            |  |  |       | 1955            |                                       |   |       | 1955            |   |                             |       | 1956             |                                       |
| INEEL<br>Name                                   |   |  | USGS-37         |  |  |       | USGS-38         |                                       |   |       | USGS-39         |   |                             |       | USGS-40          |                                       |

FOS in DE8(1) flow, BOS in J(1) flow Interbeds: HI(1) 516 to 520 Interbeds: HI(1) 527 to 527 Interbeds: HI(1) 530 to 534 Interbeds: none encountered below WL, also TOS in EF(1) flow, BOS in I(2) flow Interbeds: none encountered below WL Notes On Aquifer TOS in EF(1) flow, BOS in J(1) flow Note H flow not encountered this borehole TOS in E(1) flow, BOS in J(1) flow WL in EF(1) flow WL in EF(1) flow WL in EF(1) flow WL in E(1) flow WL in F(1) flow Screen Type НО НО  $\mathrm{OH}$ НО НО Diameter (in.) 0.9 0.9 0.9 6.0 0.9 Depth to Bottom (ft) 678.45 650.00 675.80 651.51 674.40 Screen Information Diameter Depth to Top 461.00 461.00 428.09 452.52 450.54 12.0 12.0 12.0 10.0 (in.) 12.0 10.0 10.0 0.9 8.0 0.9 0.9 0.9 8.0 6.0 Depth to Bottom 650.0 450.5 675.8 461.0 53.0 8.879 452.5 678.5 385.0 674.4 35.0 34.0 54.0 428.1 (ft) Depth to Borehole Diameter 461.0 385.0 447.0 452.5 450.5 34.0 54.0 35.0 428.1 Top (ff) 0.0 0.0 0.0 0.0 0.0 678.45 651.21 675.8 Total Depth (ft) 674.4 650 Northing Elevation (ft) (ft) 4918 4919 4920 4916 4917 693637 693598 694138 694857 694242 Monument Location Easting 295490 295936 295936 295720 295248  $(\mathfrak{F})$ Table A-1. (continued). Year Installed 1957 1957 1957 1957 1956 USGS-45 USGS-42 USGS-43 USGS-44 USGS-41 INEEL Name

Table A-1. (continued).

| Notes On Aquifer<br>Stratigraphy                | TOS in E(1) flow,<br>BOS in I(2) flow | Interbeds: HI(1) 541 to 550 |       | WL in E(1) flow | TOS in E(1) flow,<br>BOS in I(2) flow | Interbeds: HI(1) 542 to 548 |       | WL in E(1) flow | TOS in E(1) flow,<br>BOS in I(2) flow | Interbeds: HI(1) 532 to 537 | WL in E(1) flow | TOS in E(1) flow,<br>BOS in K(1)<br>interbed | Interbeds: HI(1) 549 to 552, K(1) 739 to TD | WL in DE8(1) flow | TOS in DE8(1) flow,<br>BOS in I(2) flow | Interbeds: HI(1) 540 to 542 |
|---|---------------------------------------|-----------------------------|-------|-----------------|---------------------------------------|-----------------------------|-------|-----------------|---------------------------------------|-----------------------------|-----------------|--|---|-------------------|---|-----------------------------|
| Screen<br>Type                                  |                                       |                             |       | НО              |                                       |                             |       | НО              |                                       |                             | НО              |  |   | НО                |   |                             |
| Diameter<br>(in.)                               |                                       |                             |       | 0.9             |                                       |                             |       | 0.9             |                                       |                             | 0.9             |  |   | 0.9               |   |                             |
| Depth to<br>Bottom<br>(ft)                      |                                       |                             |       | 98.059          |                                       |                             |       | 651.30          |                                       |                             | 750.00          |  |   | 656.00            |   |                             |
| Screen<br>Information<br>Depth to Top<br>(ft)   |                                       |                             |       | 461.33          |                                       |                             |       | 458.14          |                                       |                             | 462.10          |  |   | 458.29            |   |                             |
| Diameter<br>(in.)                               | 10.0                                  | 8.0                         | 0.9   | 12.0            | 10.0                                  | 8.0                         | 0.9   | 12.0            | 8.0                                   | 6.0                         | 12.0            | 8.0  | 0.9   | 16.0              | 8.0                                     | 6.0                         |
| Depth to<br>Bottom<br>(ft)                      | 133.0                                 | 461.0                       | 651.2 | 45.0            | 268.0                                 | 461.3                       | 620.9 | 41.0            | 460.0                                 | 651.3                       | 32.0            | 462.1  | 750.0                                       | 129.0             | 458.0                                   | 656.0                       |
| Borehole<br>Diameter<br>Depth to<br>Top<br>(ft) | 53.0                                  | 133.0                       | 461.0 | 0.0             | 45.0                                  | 268.0                       | 461.3 | 0.0             | 41.0                                  | 460.0                       | 0.0             | 32.0   | 462.1                                       | 0.0               | 129.0                                   | 458.0                       |
| Total<br>Depth<br>(ft)                          |                                       |                             |       | 98.059          |                                       |                             |       | 651.3           |                                       |                             | 750             |  |   | 959               |   |                             |
| Elevation<br>(ft)                               |                                       |                             |       | 4917            |                                       |                             |       | 4916            |                                       |                             | 4917            |  |   | 4913              |   |                             |
| Northing<br>(ft)                                |                                       |                             |       | 694023          |                                       |                             |       | 694110          |                                       |                             | 693414          |  |   | 693640            |   |                             |
| Monument<br>Location<br>Easting<br>(ft)         |                                       |                             |       | 295722          |                                       |                             |       | 296572          |                                       |                             | 296612          |  |   | 297232            |   |                             |
| Year<br>Installed                               |                                       |                             |       | 1958            |                                       |                             |       | 1958            |                                       |                             | 1958            |  |   | 1960              |   |                             |
| INEEL<br>Name                                   |                                       |                             |       | USGS-46         |                                       |                             |       | USGS-47         |                                       |                             | USGS-48         |  |   | USGS-49           |   |                             |

Table A-1. (continued).

| 1 17 010 1   | . (20             | .(50                                    |                  |                   |                        |   |                            |                   |   |                            |                   |                |   |
|--------------|-------------------|---|------------------|-------------------|------------------------|---|----------------------------|-------------------|---|----------------------------|-------------------|----------------|---|
| NEEL<br>Name | Year<br>Installed | Monument<br>Location<br>Easting<br>(ft) | Northing<br>(ft) | Elevation<br>(ft) | Total<br>Depth<br>(ft) | Borehole<br>Diameter<br>Depth to<br>Top<br>(ft) | Depth to<br>Bottom<br>(ft) | Diameter<br>(in.) | Screen<br>Information<br>Depth to Top<br>(ft) | Depth to<br>Bottom<br>(ft) | Diameter<br>(in.) | Screen<br>Type | Notes On Aquifer<br>Stratigraphy        |
| USGS-51      | 1960              | 296348                                  | 692343           | 4918              | 659                    | 0.0   | 0.89                       | 12.0              | 475.20  | 659.00                     | 6.0               | НО             | WL in E(1) flow                         |
|              |                   |   |                  |                   |                        | 0.89  | 475.2                      | 8.0               |   |                            |                   |                | TOS in E(1) flow,<br>BOS in I(2) flow   |
|              |                   |   |                  |                   |                        | 475.2   | 0:659                      | 0.9               |   |                            |                   |                | Interbeds: HI(1) 561 to 565             |
| USGS-52      | 1959              | 297968                                  | 694831           | 4910              | 059                    | 0.0   | 248.0                      | 16.0              | 450.00  | 650.00                     | 6.0               | НО             | WL in DE7(1) flow                       |
|              |                   |   |                  |                   |                        | 248.0   | 264.0                      | 12.0              |   |                            |                   |                | TOS in DE6(1) flow,<br>BOS in I(2) flow |
|              |                   |   |                  |                   |                        | 264.0   | 450.0                      | 10.0              |   |                            |                   |                | Interbeds: HI(1) 526 to 531             |
|              |                   |   |                  |                   |                        | 450.0   | 650.0                      | 0.9               |   |                            |                   |                |   |
| USGS-57      | 1960              | 294867                                  | 691752           | 4923              | 732                    | 0.0   | 52.0                       | 12.0              | 477.00  | 732.00                     | 6.0               | НО             | WL in E(1) flow                         |
|              |                   |   |                  |                   |                        | 52.0  | 465.0                      | 10.0              |   |                            |                   |                | TOS in E(1) flow,<br>BOS in J(1) flow   |
|              |                   |   |                  |                   |                        | 465.0   | 732.0                      | 6.0               |   |                            |                   |                | Interbeds: HI(1) 567 to 572             |
| USGS-59      | 1960              | 297685                                  | 692760           | 4915              | 657                    | 0.0   | 49.0                       | 12.0              | 464.00  | 657.00                     | 6.0               | НО             | WL in E(1) flow                         |
|              |                   |   |                  |                   |                        | 49.0  | 291.0                      | 10.0              |   |                            |                   |                | TOS in E(1) flow,<br>BOS in I(2) flow   |
|              |                   |   |                  |                   |                        | 291.0   | 464.0                      | 8.0               |   |                            |                   |                | Interbeds: HI(1) 554 to 558             |
|              |                   |   |                  |                   |                        | 464.0   | 657.0                      | 0.9               |   |                            |                   |                |   |
| USGS-67      | 1960              | 298201                                  | 691726           | 4916              | 694                    | 0.0   | 40.0                       | 12.0              | 465.00  | 552.00                     | 6.0               | НО             | WL in DE8(1) flow                       |
|              |                   |   |                  |                   |                        | 40.0  | 465.0                      | 10.0              | 635.00  | 694.00                     | 4.0               | НО             | TOS in DE8(1) flow,<br>BOS in I(2) flow |
|              |                   |   |                  |                   |                        | 465.0   | 635.0                      | 0.9               |   |                            |                   |                | Interbeds: HI(1) flow<br>572 to 590     |
|              |                   |   |                  |                   |                        | 635.0   | 694.0                      | 4.0               |   |                            |                   |                |   |
|              |                   |   |                  |                   |                        |   |                            |                   |   |                            |                   |                |   |

Table A-1. (continued).

| Notes On Aquifer<br>Stratigraphy                | WL in EF(1) flow | TOS in EF(1) flow,<br>BOS in F(1) flow | Interbeds: none<br>encountered below<br>WL | WL in DE6(1) flow | TOS in DE6(1) flow,<br>BOS in J(1) flow | Interbeds: HI(1) 557 to 566 | WL in FG(1) flow | TOS in DE6(1) flow,<br>BOS in G(1) flow | Interbeds: none<br>encountered below<br>WL | WL in E(1) flow | TOS in E(2) flow,<br>BOS in Hl(1)<br>interbed | Interbeds: H(1) 611<br>to 631, H(1) 631 to<br>TD | WL in DE8(1) flow | TOS in DE7-8(1),<br>BOS in F(1) flow | Interbeds: none<br>encountered below<br>WL |
|---|------------------|--|--|-------------------|---|-----------------------------|------------------|---|--|-----------------|---|--|-------------------|--------------------------------------|--|
| Screen<br>Type                                  | НО               |  |  | Ъ                 | НО                                      |                             | Ю                |   |  | НО              |   |  | Д                 | НО                                   |  |
| Diameter<br>(in.)                               | 6.0              |  |  | 9.9               | 6.0                                     |                             | 6.0              |   |  | 6.0             |   |  | 8.0               | 8.0                                  |  |
| Depth to<br>Bottom<br>(ft)                      | 610.00           |  |  | 561.00            | 700.00                                  |                             | 505.00           |   |  | 637.00          |   |  | 440.00            | 00.009                               |  |
| Screen<br>Information<br>Depth to Top<br>(ft)   | 470.00           |  |  | 469.00            | 593.00                                  |                             | 324.00           |   |  | 522.00          |   |  | 430.00            | 440.00                               |  |
| Diameter<br>(in.)                               | 12.0             | 10.0                                   | 6.0  | 12.0              | 8.0                                     | 0.9                         | 12.0             | 10.0                                    | 0.9  | 12.0            | 10.0  | 0.9  | 10.0              | 8.0                                  |  |
| Depth to<br>Bottom<br>(ft)                      | 126.0            | 470.0                                  | 610.0                                      | 460.0             | 593.0                                   | 700.0                       | 84.0             | 324.0                                   | 505.0                                      | 68.0            | 522.0   | 637.0  | 440.0             | 595.0                                |  |
| Borehole<br>Diameter<br>Depth to<br>Top<br>(ft) | 0.0              | 126.0                                  | 470.0                                      | 0.0               | 460.0                                   | 593.0                       | 0.0              | 84.0                                    | 324.0                                      | 0.0             | 0.89  | 522.0  | 0.0               | 440.0                                |  |
| Total<br>Depth<br>(ft)                          | 610              |  |  | 700               |   |                             | 505              |   |  | 637             |   |  | 595               |                                      |  |
| Elevation<br>(ft)                               | 4923             |  |  | 4908              |   |                             | 4939             |   |  | 4940            |   |  | 4920              |                                      |  |
| Northing<br>(ft)                                | 688820           |  |  | 693410            |   |                             | 990£69           |   |  | 685922          |   |  | 690432            |                                      |  |
| Monument<br>Location<br>Easting<br>(ft)         | 296490           |  |  | 300453            |   |                             | 289284           |   |  | 291434          |   |  | 296386            |                                      |  |
| Year  | 1962             |  |  | 1962              |   |                             | 1962             |   |  | 1962            |   |  | 1984              |                                      |  |
| INEEL<br>Name                                   | USGS-77          |  |  | USGS-82           |   |                             | USGS-84          |   |  | USGS-85         |   |  | USGS-111          |                                      |  |

Table A-1. (continued).

| Notes On Aquifer<br>Stratigraphy                | WL in E(1) flow | TOS in DE8(1) flow,<br>BOS in F(1) flow | Interbeds: none<br>encountered below<br>WL | WL in E(1) flow | TOS in DE8(1) flow,<br>BOS in F(1) flow | Interbeds: none<br>encountered below<br>WL | WL in E(1) flow | TOS in DE7(1) flow,<br>BOS in F(1) flow | Interbeds: none<br>encountered below<br>WL | WL in E(1) flow | TOS in DE7(1) flow,<br>BOS in FG(1) flow | Interbeds: none<br>encountered below<br>WL | WL in E(1) flow | TOS in DE7-8(1) interbed, BOS in G(1) flow |
|---|-----------------|---|--|-----------------|---|--|-----------------|---|--|-----------------|--|--|-----------------|--|
|   | WL in           | TOS in<br>BOS in                        | Interbe<br>encoun<br>WL                    | WL in           | TOS in<br>BOS in                        | Interbe<br>encoun<br>WL                    | WL in           | TOS in<br>BOS in                        | Interbe<br>encoun<br>WL                    | WL in           | TOS in<br>BOS in                         | Interbe<br>encoun<br>WL                    | WL in           | TOS in DE interbed, E                      |
| Screen<br>Type                                  | НО              |   |  | НО              |   |  | НО              |   |  | НО              |  |  | НО              |  |
| Diameter<br>(in.)                               | 8.0             |   |  | 6.0             |   |  | 6.0             |   |  | 0.9             |  |  | 6.0             |  |
| Depth to<br>Bottom<br>(ft)                      | 563.00          |   |  | 564.00          |   |  | 562.00          |   |  | 581.00          |  |  | 580.00          |  |
| Screen<br>Information<br>Depth to Top<br>(ft)   | 432.00          |   |  | 445.00          |   |  | 440.00          |   |  | 440.00          |  |  | 400.00          |  |
| Diameter<br>(in.)                               | 10.0            | 8.0                                     |  | 8.0             | 6.0                                     |  | 8.0             | 6.0                                     |  | 8.0             | 6.0                                      |  | 8.0             | 0.9  |
| Depth to<br>Bottom<br>(ft)                      | 432.0           | 563.0                                   |  | 445.0           | 564.0                                   |  | 440.0           | 562.5                                   |  | 440.0           | 581.0                                    |  | 400.0           | 580.0                                      |
| Borehole<br>Diameter<br>Depth to<br>Top<br>(ft) | 0.0             | 432.0                                   |  | 0.0             | 445.0                                   |  | 0.0             | 440.0                                   |  | 0.0             | 440.0                                    |  | 0.0             | 400.0                                      |
| Total<br>Depth<br>(ft)                          | 563             |   |  | 564             |   |  | 562.5           |   |  | 581             |  |  | 580             |  |
| Elevation<br>(ft)                               | 4927            |   |  | 4925            |   |  | 4920            |   |  | 4919            |  |  | 4916            |  |
| Northing<br>(ft)                                | 688763          |   |  | 688758          |   |  | 689178          |   |  | 689307          |  |  | 690449          |  |
| Monument<br>Location<br>Easting<br>(ft)         | 294488          |   |  | 295405          |   |  | 297438          |   |  | 298129          |  |  | 298782          |  |
| Year<br>Installed                               | 1984            |   |  | 1984            |   |  | 1984            |   |  | 1984            |  |  | 1984            |  |
| INEEL<br>Name                                   | USGS-112        |   |  | USGS-113        |   |  | USGS-114        |   |  | USGS-115        |  |  | USGS-116        |  |

Interbeds: HI(1) 517 to 522, K(1) 734 to TD Interbeds: HI(1) 559 to 563, IJ(1) 684 to 689 TOS in DE8(1) flow, BOS in E(1) flow Interbeds: none encountered below WL WL in DE8(1) flow TOS in EF(1) flow, BOS in FG(1) flow Notes On Aquifer TOS in E(1) flow, BOS in EF(1) flow WL in EF(1) flow Interbeds: DE9(1) 466 to 471 WL in EF(1) flow K(1) 736 to TD Screen ST S Type ST S  $\mathbf{v}$ ď ď SLDiameter (in.) 6.0 3.0 0.9 2.0 2.0 Depth to Bottom 475.00 475.00 475.30 30.50 39.60  $(\mathbb{H})$ Screen Information Depth to Top 449.00 449.50 448.00 29.60 20.50 Diameter (in.) 16.0 11.9 16.0 16.0 11.9 11.9 7.9 7.9 3.9 3.7 8.0 8.0 3.7 3.0 7.9 Depth to Bottom 444.0 495.2 533.0 745.0 287.0 444.0 482.8 442.0 503.0 744.2 39.2 30.0 40.0 40.0 33.0  $(\mathbf{H})$ Borehole Diameter Depth to 444.0 533.0 287.0 444.0 442.0 503.0 495.2 Top (ff) 39.2 40.0 30.0 0.0 0.0 0.0 0.0 0.0 745.8 482.8 744.2 Total Depth  $(\mathbb{H})$ 33 40 Northing Elevation 4910 4915 4915 4919 4920 698362 692519 692680 869569 695682 Monument Location Easting 296599 295776 297423 296983 296767 (ff) Table A-1. (continued). Year Installed 1990 1990 1990 1973 1973 USGS-121 **USGS-122 JSGS-123** INEEL Name CPP-A50 CPP-A44

Table A-1. (continued).

| T TT ALON T    | . ( .             |   |                  |                   |                        |   |                            |                   |   |                            |                   |                |                                  |
|----------------|-------------------|---|------------------|-------------------|------------------------|---|----------------------------|-------------------|---|----------------------------|-------------------|----------------|----------------------------------|
| NEEL<br>Name   | Year<br>Installed | Monument<br>Location<br>Easting<br>(ft) | Northing<br>(ft) | Elevation<br>(ft) | Total<br>Depth<br>(ft) | Borehole<br>Diameter<br>Depth to<br>Top<br>(ft) | Depth to<br>Bottom<br>(ft) | Diameter<br>(in.) | Screen<br>Information<br>Depth to Top<br>(ft) | Depth to<br>Bottom<br>(ft) | Diameter<br>(in.) | Screen<br>Type | Notes On Aquifer<br>Stratigraphy |
| CPP-A56        |                   | 296911                                  | 695517           | 4919              | 4                      | 0.0   | 41.0                       | 8.0               | 30.00   | 40.00                      | 2.0               | р              |                                  |
| CPP-33-1       | 1991              | 296951                                  | 695394           |                   | 29.5                   | 0.0   | 29.5                       | 6.3               |   |                            |                   |                |                                  |
| CPP-33-2       | 1990              | 296638                                  | 695385           |                   | 114.8                  | 0.0   | 43.2                       | 10.5              | 85.80   | 105.80                     | 2.0               | STS            |                                  |
| CPP-33-3       | 1990              | 296659                                  | 908569           |                   | 126.4                  | 0.0   | 45.8                       | 10.5              | 111.80  | 122.00                     | 2.0               | STS            |                                  |
|                |                   |   |                  |                   |                        | 45.8  | 125.2                      | 6.3               |   |                            |                   |                |                                  |
|                |                   |   |                  |                   |                        | 125.2   | 126.4                      | 3.8               |   |                            |                   |                |                                  |
| CPP-33-4-      | 1990              | 297010                                  | 696045           |                   | 124                    | 0.0   | 123.0                      | 0.6               | 98.20   | 118.50                     | 2.0               | STS            |                                  |
|                |                   |   |                  |                   |                        | 123.0   | 124.0                      | 3.3               |   |                            |                   |                |                                  |
|                |                   |   |                  |                   |                        |   |                            |                   |   |                            |                   |                |                                  |
| CPP-33-4-<br>2 | 1990              | 297000                                  | 696045           |                   | 34.3                   | 0.0   | 34.3                       | 0.6               | 20.50   | 30.70                      | 2.0               | STS            |                                  |
|                |                   |   |                  |                   |                        |   |                            |                   |   |                            |                   |                |                                  |
| CPP-55-<br>06  | 1990              | 297561                                  | 695055           | 4912              | 122.9                  | 0.0   | 43.9                       | 8.0               | 93.10   | 113.10                     | 2.0               | STS            |                                  |
|                |                   |   |                  |                   |                        | 43.9  | 122.9                      | 5.3               |   |                            |                   |                |                                  |
| MW-1           | 1993              | 296097                                  | 694730           |                   | 395                    | 0.0   | 50.0                       | 24.0              | 325   | 336                        | 4.0               | sl-pvc         |                                  |
|                |                   |   |                  |                   |                        | 50.0  | 165.0                      | 11.9              | 359   | 369                        | 4.0               | sl-pvc         |                                  |
|                |                   |   |                  |                   |                        | 165.0   | 395.0                      | 7.9               |   |                            |                   |                |                                  |
| MW-2           | 1993              | 297262                                  | 695285           |                   | 127                    | 0.0   | 50.0                       | 10.5              | 102   | 112                        | 2.0               | pvc            |                                  |
|                |                   |   |                  |                   |                        | 50.0  | 127.0                      | 5.6               |   |                            |                   |                |                                  |
| MW-3           | 1993              | 296396                                  | 695215           |                   | 151.3                  | 0.0   | 58.0                       | 10.5              | 125.5   | 138.5                      | 2.0               | STS            |                                  |
|                |                   |   |                  |                   |                        |   |                            |                   |   |                            |                   |                |                                  |

Table A-1. (continued).

| Notes On Aquifer<br>Stratigraphy                |       |        |       |        |       |        |       |        |       |        |       |        |       |        |       |        |       |        |       |        |       |        |       |
|---|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|
| Screen<br>Type                                  |       | pvc    |       | STS    |       | pvc    |       |
| Diameter<br>(in.)                               |       | 2.0    |       | 2.0    |       | 2.0    |       | 2.0    |       | 2.0    |       | 2.0    |       | 2.0    |       | 2.0    |       | 2.0    |       | 2.0    |       | 2.0    |       |
| Depth to<br>Bottom<br>(ft)                      |       | 110.6  |       | 126.5  |       | 137    |       | 142    |       | 125    |       | 130    |       | 151    |       | 136    |       | 118    |       | 105    |       | 104    |       |
| Screen<br>Information<br>Depth to Top<br>(ft)   |       | 100.6  |       | 106.5  |       | 117    |       | 132    |       | 115    |       | 120    |       | 141    |       | 131    |       | 108    |       | 100    |       | 94     |       |
| Diameter (in.)                                  | 5.6   | 10.5   | 5.6   | 10.5   | 5.6   | 10.5   | 5.6   | 10.5   | 5.6   | 10.5   | 5.6   | 10.5   | 5.6   | 10.5   | 5.6   | 10.5   | 5.6   | 10.5   | 5.6   | 10.5   | 5.6   | 10.5   | 5.6   |
| Depth to<br>Bottom<br>(ft)                      | 151.3 | 44.0   | 131.0 | 48.0   | 141.0 | 53.0   | 161.0 | 35.0   | 177.0 | 46.0   | 141.0 | 35.0   | 159.0 | 141.0  | 181.0 | 47.0   | 150.5 | 46.0   | 153.0 | 34.0   | 128.0 | 30.5   | 138.0 |
| Borehole<br>Diameter<br>Depth to<br>Top<br>(ft) | 58.0  | 0.0    | 44.0  | 0.0    | 48.0  | 0.0    | 53.0  | 0.0    | 35.0  | 0.0    | 46.0  | 0.0    | 35.0  | 0.0    | 141.0 | 0.0    | 47.0  | 0.0    | 46.0  | 0.0    | 34.0  | 0.0    | 30.5  |
| Total<br>Depth<br>(ft)                          |       | 131    |       | 141    |       | 161    |       | 177    |       | 141    |       | 159    |       | 181    |       | 150.5  |       | 153    |       | 128    |       | 138    |       |
| Elevation<br>(ft)                               |       |        |       |        |       |        |       |        |       |        |       |        |       |        |       |        |       |        |       |        |       |        |       |
| Northing<br>(ft)                                |       | 695375 |       | 695109 |       | 069569 |       | 693208 |       | 694805 |       | 693168 |       | 695355 |       | 694434 |       | 695106 |       | 693106 |       | 693594 |       |
| Monument<br>Location<br>Easting<br>(ft)         |       | 297827 |       | 297063 |       | 296320 |       | 296726 |       | 297514 |       | 296357 |       | 297077 |       | 296853 |       | 297333 |       | 296561 |       | 296503 |       |
| Year<br>Installed                               |       | 1993   |       | 1993   |       | 1993   |       | 1993   |       | 1993   |       | 1993   |       | 1993   |       | 1993   |       | 1994   |       | 1994   |       | 1994   |       |
| INEEL<br>Name                                   |       | MW-4   |       | MW-5   |       | MW-6   |       | MW-7   |       | MW-8   |       | 6-MM   |       | MW-10  |       | MW-11  |       | MW-12  |       | MW-13  |       | MW-14  |       |

Table A-1. (continued).

| MW-15 | Year<br>Installed | Location<br>Easting<br>(ft) | Northing<br>(ft) | Elevation<br>(ft) | Total<br>Depth<br>(ft) | Diameter<br>Depth to<br>Top<br>(ft) | Depth to<br>Bottom<br>(ft) | Diameter<br>(in.) | Screen<br>Information<br>Depth to Top<br>(ft) | Depth to<br>Bottom<br>(ft) | Diameter<br>(in.) | Screen<br>Type | Notes On Aquifer<br>Stratigraphy |
|-------|-------------------|-----------------------------|------------------|-------------------|------------------------|-------------------------------------|----------------------------|-------------------|---|----------------------------|-------------------|----------------|----------------------------------|
|       | 1994              | 296608                      | 090869           |                   | 143                    | 0.0                                 | 34.0                       | 10.5              | 111.3   | 131.3                      | 2.0               | pvc            |                                  |
|       |                   |                             |                  |                   |                        | 34.0                                | 143.0                      | 5.6               |   |                            |                   |                |                                  |
| MW-16 | 1994              | 296649                      | 693173           |                   | 126                    | 0.0                                 | 33.0                       | 10.5              | 97  | 107                        | 2.0               | pvc            |                                  |
|       |                   |                             |                  |                   |                        | 33.0                                | 126.0                      | 5.6               |   |                            |                   |                |                                  |
| MW-17 | 1994              |                             |                  |                   | 381                    | 0.0                                 | 32.0                       | 24.0              | 263.8   | 273.8                      | 2.0               | pvc            |                                  |
|       |                   |                             |                  |                   |                        | 32.0                                | 210.0                      | 11.9              |   |                            |                   |                |                                  |
|       |                   |                             |                  |                   |                        | 210.0                               | 377.5                      | 7.9               |   |                            |                   |                |                                  |
|       |                   |                             |                  |                   |                        | 377.5                               | 381.0                      | 4.0               |   |                            |                   |                |                                  |
| MW-18 | 1994              |                             |                  |                   | 492                    | 0.0                                 | 46.4                       | 24.0              | 458.5   | 478.5                      | 2.0               | pvc            |                                  |
|       |                   |                             |                  |                   |                        | 46.4                                | 136.0                      | 11.9              |   |                            |                   |                |                                  |
|       |                   |                             |                  |                   |                        | 138.0                               | 492.0                      | 7.9               |   |                            |                   |                |                                  |
| MW-20 | 1994              |                             |                  |                   | 151.5                  | 0.0                                 | 46.5                       | 10.5              | 133.2   | 143.2                      | 2.0               | pvc            |                                  |
|       |                   |                             |                  |                   |                        | 46.5                                | 151.5                      | 5.6               | 143.2   | 148.4                      | 2.0               | STS            |                                  |
| PW-1  | 1986              | 296234                      | 692270           | 4917              | 120                    | 0.0                                 | 32.0                       | 12.0              | 100   | 120                        | 6.0               | р              |                                  |
|       |                   |                             |                  |                   |                        | 33.0                                | 120.0                      | 10.0              |   |                            |                   |                |                                  |
| PW-2  | 1986              | 297010                      | 691791           | 4917              | 131                    | 0.0                                 | 21.0                       | 12.0              | 111   | 131                        | 6.0               | b              |                                  |
|       |                   |                             |                  |                   |                        | 21.0                                | 131.0                      | 10.0              |   |                            |                   |                |                                  |
| PW-3  | 1986              | 296961                      | 692447           | 4916              | 125                    | 0.0                                 | 29.0                       | 12.0              | 103   | 123                        | 6.0               | þ              |                                  |
|       |                   |                             |                  |                   |                        | 29.0                                | 125.0                      | 10.0              |   |                            |                   |                |                                  |
| PW-4  | 1986              | 297572                      | 692197           | 4914              | 150                    | 0.0                                 | 33.0                       | 12.0              | 110   | 150                        | 6.0               | Ъ              |                                  |
|       |                   |                             |                  |                   |                        | 33.0                                | 150.0                      | 10.0              |   |                            |                   |                |                                  |
| PW-5  | 1986              | 296987                      | 692196           | 4916              | 131                    | 0.0                                 | 30.0                       | 12.0              | 109   | 129                        | 6.0               | р              |                                  |
|       |                   |                             |                  |                   |                        | 30.0                                | 131.0                      | 10.0              |   |                            |                   |                |                                  |
| PW-6  | 1986              | 295150                      | 969269           | 4920              | 135                    | 0.0                                 | 38.0                       | 12.0              |   |                            | 6.0               | þ              |                                  |
|       |                   |                             |                  |                   |                        | 38.0                                | 135.0                      | 10.0              |   |                            |                   |                |                                  |

# Appendix B Sampling and Analysis Plan Table

Page 1 of 4 ATT ATZ ATS AT6 AT5 AT6 AT7 AT8 AT9 AT10 AT11 AT12 AT13 AT14 AT15 AT16 AT17 AT18 AT19 AT20 SMD Contact: J. D. JACKSON ENTER ANALYSIS TYPES (AT) AND QUANTITY REQUESTED EA NG NP PY R4 R8 RB RF R1 UA ~ ~ WAG 3 GROUP 5 LOW-TERM MONITIORING MICROPURCE SMPLG 11/22/00 Project Manager: C.J. ROBERTS ~ ~ N SAMPLING AND ANALYSIS PLAN TABLE FOR CHEMICAL AND RADIOLOGICAL ANALYSIS 5 ~ ₹ ~ 2 N E CE MONITORING WELL N/A MONITORING WELL N/A HONITORING WELL N/A MONITORING WELL N/A HONITORING WELL N/A MONITORING WELL N/A MONITORING MELL N/A HONITORING WELL N/A HONITORING WELL N/A MONITORING WELL N/A HONITORING WELL N/A MONITORING WELL N/A MONITORING WELL N/A HONITORING WELL N/A TYPE OF LOCATION SAMPLE LOCATION ICPP-HOM-A021 1CPP-HON-A022 LOCATION 04-8050 nsas-20 1565-34 USGS-335 9E-S9SN USGS-37 USGS-38 USGS-39 USGS-42 USGS-43 USGS-44 14-S5Sn Project: AREA ES 11/22/00 INTEC COLL SAMPLING PLANNED
TYPE METHOD DATE 9 Plan Table Revision: GRAB GRAB 88 **68**A8 GRAB GRAB GRAB 88 GRAB GRAB GRAB GRAB SE SE 훒 Plan Table Number: WAGGGROUPS(MICR SAP Number: 07/20/00 Plan Table R SAMPLE DESCRIPTION GROUND WATER GROUND WATER REG/GC GROUND WATER GROUND WATER GROUND MATER GROUND WATER GROUND WATER GROUND MATER GROUND WATER GROUND WATER GROUND WATER GROUND WATER GROUND WATER GROUND WATER SAMPLE NEDIA 2 2 2 2 3 250 250 띭 2 350 2 ij RG 2 2 REG SAMPL ING ACTIVITY 50N214 5CH203 SON208 504210 50M212 50M213 50H215 SCM201 5CM202 \$0X204 **SOM205 50K206 50M209** 50M211 50M207

The sampling activity displayed on this table represents the first six characters of the sample identification number. The complete sample identification number (10 characters) will appear on field guidance forms and sample labels.

HONITORING WELL NYA

USGS-45

GRAB

GROUND WATER

2

|       |                    |                         | 5 仁元坦太王 0 ひ   |
|-------|--------------------|-------------------------|---|
| Ë     | An-241             | A711: Strontiun-90      |   |
| AT2:  | Gross Aigha/Beta   | A712: Pu isatopes       | Isotopic Pu is defined as Pu-238. Pu-239 and Pu-248   |
| A73:  | Anions             | AT13; <u>Iodine-129</u> | isotopic U is defined as U-234. U-235 and U-238       |
| A14:  | CLP Metals         | AT14: Urenium Isotopes  | Gamma spectrometry analysis isotope of concern to-117 |
| AT5:  | Tc:99              | A715:                   |   |
| A16;  | Mercury            | A716:                   |   |
| AT7:  | Np-237             | A117:                   |   |
| AT8:  | Pu-241             | AT18;                   |   |
| AT9:  | Gamma Spectroscopy | AT19:                   |   |
| AT10: | ATIO: Tritium      | A720;                   |   |

Plan Table Number: <u>UNGSGRQUPS(MICR</u> SAP Number: Date: 07/20/00 Plan Table Revision: 0.0

SAMPLING AND ANALYSIS PLAN TABLE FOR CHEMICAL AND RADIOLOGICAL ANALYSIS

Project: WAG 3 GROUP 5 LOM-TERM MONITIORING MICROPUNGE SWPLG 11/22/00 Project Manager: C.J. ROBERTS

Page 2 of 4

SMO Contact: J. D. JACKSON

| - Anna Anna and Anna | š      | SAMPLE DESCRIPTION   | ##           |                  |                |       | SAMPLE LOCATION | OCATION             |          |         |       |          |     | E     | ER AKA     | LYSIS      | TYPES        | 3        | AND GL   | E         | ENTER ANALYSIS TYPES (AT) AND QUANTITY REQUESTED       | STEU     |  |      |      | Γ    |
|--|--------|--|--------------|------------------|----------------|-------|-----------------|---------------------|----------|---------|-------|----------|-----|-------|------------|------------|--------------|----------|----------|-----------|--|----------|--|------|------|------|
| SAMPLING   | SAMPLE |  | 8            | SAMPI ING        | PLANNED        |       |                 | $\vdash$            | HE BER   | AT1 AT2 | 2 AT3 | ATA      | ATS | AT6 / | AT7 A      | AT8 AT     | AT9 AT1      | 10 AT    | E        | ZATI      | AT10 AT11 AT12 AT13 AT14 AT15 AT16 AT17 AT18 AT19 AT20 | IT15 AT1 | 6 ATT  | AT18 | AT19 | AT20 |
| ACTIVITY   | TYPE   | MEDIA  | TYPE         | TYPE NETHOD DATE | DATE           | AREA  | LOCATION        | LOCATION            |          | A4 A    | AB AW | ច        | ន   | 모     | <b>9</b> ± | ă.         | R4 R8        | 88       | * ₩      | Z         | 5  | $\vdash$ | <u> </u>   |      |      | Π    |
| 50K216   | REG    | GROUND MATER   | GRAB         |                  | 11/22/00 INTEC | INTEC | USGS-46         | MONITORING WELL N/A | <        | -       | =     | L        | E   | -     | -          | -          | E            | E        | =        | 匚         | E  | ┞        | 1  |      |      | T    |
| 50HZ17   | REG    | GROUND WATER   | GRAB         |                  | 11/22/00 INTE  | INTEC | 17-sesn         | HONITORING WELL N/A | <        | -       | =     | 二        | =   | -     | =          | -          | -            | E        | 1        | 上         | 上  | ╀        | igdash   |      |      | T    |
| 50MZ18   | REG    | GROUND WATER   | GRAB         |                  | 11/22/00 INTEC | INTEC | USGS-48         | MONITORING WELL N/A | *        | -       | =     | -        | E   | -     | -          | -          | -            | E        | E        | 二         | E  | $\vdash$ | $oldsymbol{\perp}$   |      |      | Τ    |
| 50M219   | REG    | GROUND WATER   | GRAB         |                  | 11/22/00 INTEC | INTEC | USGS-49         | MONITORING WELL N/A | Υ.       | =       | -     | _        | -   | -     | -          | -          | E            | Ę        | =        | 1         | E  | ╀        | <u> </u>   |      |      | T    |
| 50M220   | REG    | GROUND WATER   | GRAB         |                  | 11/22/00 INTEC | INTEC | USGS-51         | HONITORING WELL N/A | <        | -       | =     | _        | E   | -     | -          | -          | E            | Ë        | <u> </u> | -         | E  | ╀        | 1  |      |      | T    |
| 504221   | REG    | GROUND WATER   | GRAB         |                  | 11/22/00 INTEC | INTEC | USGS-52         | MONITORING WELL N/A | *        |         | =     | <u> </u> | E   | -     | -          | -          | E            | Ę        | E        | -         | E  | $\vdash$ | $oldsymbol{\perp}$   |      |      | T    |
| 50M222   | REG    | GROUND WATER   | GRAB         |                  | 11/22/00 INTEC | INTEC | Uses-57         | HONITORING WELL N/A | *        | _       | -     | _        | -   | -     | -          | -          | <del>-</del> | E        | <u> </u> | 上         | -  | ┝        | $oldsymbol{ol{ol{ol}}}}}}}}}}}}}}}}$ |      |      | T    |
| 50N223   | REG    | GROUND WATER   | SEAB<br>SEAB |                  | 11/22/00 INTEC | INTEC | USGS-59         | MONITORING WELL N/A | *        | -       | 1     | _        | E   | -     | -          | -          | Ē            | Ę        | -        | _         | E  | $\vdash$ | L  |      |      | Τ    |
| 50M224   | REG    | GROUND WATER   | GRAB         |                  | 11/22/00 INTEC | INTEC | VSGS-67         | MONITORING WELL N/A | ×        | -       | -     | _        | -   | -     | -          | -          | -            | <u> </u> | -        | -         | E  | $\vdash$ | _  |      |      | T    |
| 50M225   | 200    | GROUND WATER   | GRAB         |                  | 11/22/00 INTE  |       | USGS-77         | MONITORING WELL N/A |          |         | -     | -        | -   | -     | -          | -          | <del> </del> | Ē        | _        | _         | E  | $\vdash$ | L  |      | T    | T    |
| 50M226   | REG    | GROUND VATER   | GRAB         |                  | 11/22/00 INTEC | INTEC | USGS-82         | MONITORING WELL N/A | V        | =       | -     | -        | -   | -     | -          | -          | -            | Ę        | L        | _         | E  | -        | L  |      | T    | Τ    |
| 50M227   | REG    | GROUND MATER   | GAAB         |                  | 11/22/00 INTE  | INTEC | USGS-84         | MONITORING WELL N/A | ×        | -       | _     | <u> </u> | -   | -     | -          | <u>-</u> - | <u> </u>     | -        | -        | _         | E  | ┝        | $oldsymbol{ol{ol{ol}}}}}}}}}}}}}}}}$ |      | T    | Τ    |
| SOM228   | REG    | GROUND WATER   | GRAB         |                  | 11/22/00 INTE  | INTEC | USGS-85         | HONITORING WELL N/A | <b>4</b> | -       | -     | -        | -   | -     | -          | -          | Ę            | <u> </u> | -        | _         | E  | $\vdash$ |  |      | T    | Τ    |
| 504229   | REG    | GROUND WATER   | GRAB         |                  | 11/22/00 INTE  | INTEC | USGS-111        | MONITORING WELL N/A | - V      | _       | _     | _        | -   | -     | -          | -          | =            | _        | -        | _         | E  | ├        |  |      | T    | Τ    |
| 50M230   | REG    | GROUND WATER   | GRAB         |                  | 11/22/00 INTE  | INTEC | USGS-112        | MONITORING WELL N/A | ~        | -       | _     | -        | -   | -     | -          | -          | Ë            | _        | -        | <u> -</u> | E  | ╀        | L  |      | T    | T    |
|  |        | TOTAL CONTRACTOR OF THE PARTY O |              |                  |                |       |                 |                     |          |         |       | -        |     | -     | -          | -          | -            | -        | -        |           |  |          |  |      | _    | -    |

The sampling activity displayed on this table represents the first six characters of the sample identification number. The complete sample identification number (10 characters) will appear on field guidance forms and sample labels.

SINERIA S

| AT1:  | AT1: An-241        | A711: Strontium-90     |   |
|-------|--------------------|------------------------|---|
| AT2:  | Gross Alpha/Beta   | A712: Pu Isotopes      | Isotopic Pu is defined as Pu-238, Pu-239 and Pu-240   |
| AT3;  | Anions             | AT13: Lodine-129 .     | Isotopic U is defined as U-234, U-235 and U-238       |
| AT4:  | CLP Metals         | A114: Uranium Isotopes | Gamma spectrometry analysis isotope of concern Cs-137 |
| AT5:  | Tc-99              | A115:                  |   |
| AT6:  | Mercury            | A716:                  |   |
| A17:  | Np-237             | АТ17:                  |   |
| AT8:  | Pu-261             | AT18:                  |   |
| A79:  | Gamma Spectroscopy | AT19:                  |   |
| AT10: | Tritium            | A720;                  |   |

SAMPLING AND ANALYSIS PLAN TABLE FOR CHEMICAL AND RADIOLOGICAL ANALYSIS

Page 3 of 4

SMD Contact: J. D. JACKSON

Project: WAG 3 GROUP 5 LOW-TERN WOWITIORING MICROPURGE SMPLG 11/22/00 Project Manager: C.J. ROBERTS 0.0 Plan Table Revision:

Plan Table Number: WAGGGROUPS(MICR

Date: 07/20/00

SAMPLING ACTIVITY 50M231 50M232 50K233 50M234

AT1 AT2 AT3 AT4 AT5 AT6 AT7 AT8 AT9 AT10 AT10 AT12 AT13 AT15 AT15 AT15 AT16 AT17 AT18 AT19 AT20 ENTER ANALYSIS TYPES (AT) AND QUANTITY REQUESTED 3 EA HG NP PY R4 R8 RB RF R1 2 ~ A4 A8 AW C1 ~ ~ EEEE MONITORING WELL N/A HONITORING WELL N/A MONITORING WELL N/A MONITORING WELL N/A MONITORING WELL N/A MONITORING WELL N/A HONITORING WELL M/A HONITORING WELL N/A MONITORING WELL N/A HONITORING WELL N/A HONITORING WELL N/A HONITORING WELL N/A MONITORING WELL N/A HONITORING WELL N/A MONITORING WELL N/A TYPE OF LOCATION SAMPLE LOCATION LOCATION USGS-113 USGS-115 US68-122 USGS-123 USGS-114 USGS-116 USGS-121 LF3-10 11-547 LF2-10 LF2-11 LF3-8 E3-9 LF2-9 1.52-8 AREA 11/22/00 INTEC COLL SAMPLING PLANNED
TYPE METHOD DATE GRAB GRAB GRAB GRAB GRAB GRAB GRAB GRAB 828 GRAB GRAB GRAB GRAB GRAB 훒 SAMPLE DESCRIPTION GROUND WATER GROUND WATER GROUND WATER REG/OC GROUND WATER GROUND WATER GROUND WATER GROUND MATER GROUND WATER SAMPLE TYPE MEDIA 2 REG 뛾 REG 250 REG REG 2 REG Æ 2 2 2 ÆG

The sampling activity displayed on this table represents the first six characters of the sample identification number. The complate sample identification number (10 characters) will appear on field guidance forms and sample labels.

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| AT2: Gross Alpha/Beta AT3: Anions AT4: CLP Metals AT5: Tc-99 AT6: Mercury AT7: Np-237 AT8: Pu-241 AT9: Gamma Spectroscopy         | AT12: Pu isotopes      |   |
|---|------------------------|---|
| AT3: Anions AT4: CLP Metals AT5: Ic-99 AT6: Mercury AT7: Np-237 AT8: Pu-241 AT9: Gamma Spectroscopy                               |                        | Isotopic Pu is defined as Pu-238, Pu-239 and Pu-240   |
| A14: <u>CLP Metals</u> A75: <u>IC-99</u> A76: <u>Mercury</u> A17: <u>Np-237</u> A18: <u>Pu-241</u> A19: <u>Gamma Spectroscopy</u> | A713: Lodine-129       | Isotopic U is defined as U-234, U-235 and U-238       |
| AT5: Ic-99 AT6: Marcury AT7: Np-237 AT8: Pu-241 AT9: Gamma Spectroscopy   | AT14: Uranium (sotopes | Gamma spectrometry analysis isotope of concern Cs-137 |
| AT6: Mercury AT7: Np-237 . AT8: Pu-241 AT9: Gamma Spectroscopy.   | AT15:                  |   |
| AT7: Np-237<br>AT8: Pu-241<br>AT9: Gamma Spectroscopy   | AT/6:                  |   |
| AT8: Pu-241<br>AT9: Gamma Spectroscopy  | A172:                  |   |
| A19: Garma Spectroscopy   | A718:                  |   |
|   | AT19:                  |   |
| AT10: Trittium  | A7202                  |   |

50H242 504243 50H244 50H245

50M241

50H238

50M239

SON235 50M236 50M237 SOM240

Plan Table Revision: 0.0 Plan Table Number: WAG3GRQUP5(MICR SAP Number: Date: 07/20/00 Plan Table R

REG ႘

50H247 50M248

SAMPLING AND ANALYSIS PLAN TABLE FOR CHENICAL AND RADIOLOGICAL ANALYSIS

Project: WAG 3 GACUP 5 LOW-TERM MONITIORING HICROPURGE SNPLG 11/22/00 Project Manager: C.J. ROBERIS

Page 4 of 4

SMC Contact: J. D. JACKSON

ATT ATZ AT3 AT6 AT5 AT6 AT7 AT8 AT9 AT10 AT11 AT12 AT13 AT14 AT15 AT16 AT17 AT18 AT19 AT20 ENTER ANALYSIS TYPES (AT) AND QUANTITY REQUESTED RS RF RI UA ~ ~ A4 AB AN C1 EA NG NP PY R4 ~ 7 ~ 2 2 ~ ~ ### HONITORING WELL N/A HONITORING WELL N/A EQUIPMIT RINSTE N/A TYPE OF SAMPLE LOCATION LOCATION LF2-12 ₹ 81-18 ម AREA 11/22/00 INTEC 11/22/00 INTEC 11/22/00 INTEC COLL SAMPLING PLANNED TYPE METHOD DATE GRAB RNST <del>d</del>na SAMPLE DESCRIPTION 50M246 REG/GC GROUND MATER GROUND WATER GROUND WATER SAMPLE TYPE MEDIA

The sampling activity displayed on this table represents the first six characters of the sample identification number. The complete sample identification number (10 characters) will appear on field guidence forms and sample labels.

CORMENTS

| AT1:  | AT1: An-241        | AT11: Strontium-90        |   |
|-------|--------------------|---------------------------|---|
| AT2:  | Gross Alpha/Beta   | AT12: Pu [sotopes         | Isotopic Pu is defined as Pu-236. Pu-239 and Pu-240   |
| AT3:  | Anions             | AT13: <u>Lodine-129</u> . | Isotopic U is defined as U-234, U-235 and U-248       |
| AT4:  | CLP Metals         | A714: Uranium Isotopes    | Gamma spectrometry analysis isotome of concern Ca-137 |
| ATS:  | 10-99              | ATIS:                     |   |
| AT6:  | Hercury            | A716:                     |   |
| AT7:  | Np-237             | A117:                     |   |
| AT8:  | Pu-241             | A718:                     |   |
| AT9:  | Garma Spectroscopy | A719:                     |   |
| AT10: | Trition            | A720;                     |   |
|       |                    |                           |   |

ATT ATZ ATZ AT4 AT5 AT6 AT7 AT8 AT9 AT10 AT11 AT12 AT13 AT14 AT15 AT16 AT17 AT18 AT19 AT20 SNO Contact: J. D. JACKSON ENTER ANALYSIS TYPES (AT) AND GLANTITY REGLESTED HG NP PY R4 R6 RB RF R1 UA Project: WAG 3 GROUP 5 LONG-TERM MOMITORING BASELINE SAPLING 10/11/00 Project Manager: C. J. ROBERTS N 3 SAMPLING AND ANALYSIS PLAN TABLE FOR CHEMICAL AND RADIOLOGICAL ANALYSIS ~ 7 # VB -~ \$ × X ¥ ¥ ≨ <u>×</u> ⋨ ≨ Ş ≨ × K/ ≨ × MONITORING WELL MONITORING WELL ICPP-HON-A021 MONITORING WELL ICPP-HON-AG22 MONITORING WELL MONITORING WELL MONITORING WELL HONITORING WELL HONITORING WELL MONITORING WELL TYPE OF SAMPLE LOCATION USG\$-35 USGS-36 USG8-44 S7-855N LOCATION US6S-20 uses-34 USGS-38 USGS-39 USGS-40 US68-41 1563-42 USGS-37 USGS-43 INTEC AREA 10/11/00 10/11/00 10/11/00 10/11/00 10/11/00 10/11/00 10/11/00 10/11/00 10/11/00 10/11/01 10/11/00 10/11/00 10/11/00 10/11/00 SAMPLING PLANNED 10/11/00 2: Plan Table Revision: gry 8 848 GRAB GRAB GRAB GRAB SA S GRAB GRAB GRAB GRAB GRAB ž Plan Table Number: WAG3GROUP5(R01) SAMPLE DESCRIPTION GROUND WATER GROUND WATER GROUND WATER GROUND LATER GROUND WATER GROUND WATER GROUND WATER GROUND WATER GROUND WATER GROUND WATER GROUND MATER GROUND' WATER GROUND WATER REG/9C GROUND WATER REG GROUND WATER SAMPLE TYPE MEDIA REG SAP Rumber: Date: 07/20/00 REG 2 5 92 REG 592 REG 2 Æ REG 2 2 50#012 504014 50H010 50H011 50M005 504013 SOM015 50M002 504004 50400 30H06 50H007 SCH008 504003 50M001

the sampling activity displayed on this table represents the first six characters of the sample identification number. The complete sample identification number (10 characters) will appear on field guidance forms and sample labels.

8 L R B R R O J

|       | -                     |                        |  |
|-------|-----------------------|------------------------|--|
| AT.   | AT1: Att-241          | ATTI: STORTUM-W        |  |
|       | 1                     | A712: Pu Isotopes      | Igotopic Pu is defined as Pu-238, Pu-239 and Pu-240      |
| V (   | AIC: Urosa Algra/Beta |                        | APC-11 ben 125 11 APC 11 APC 11 as hand as it about a to |
| ATS:  | Anions                | A115: 1gd1ne-129       |  |
| A76:  | The Metal is          | ATi4: Uranium isotopes | Gagna Spectrometry analysis isotope of concern Cs-137    |
| •     |                       | A715:                  |  |
| Y     | A13: 1677             | 144.                   |  |
| AT6:  | Herbury               | A18:                   |  |
| A17:  | No-237                | A117:                  |  |
| ,     | 22.4                  | A718:                  |  |
|       | 70.241                |                        |  |
| A79:  | James Spectroscopy    | A1973                  |  |
| A710; | Tritius               | A720;                  |  |

Plan Table Revision: 1.0 Plan Table Number: <u>MAG3GRQUP5(RD1)</u> SAP Number: Date: 07/20/00 Plan Table Re

SAMPLING AND ANALYSIS PLAN TABLE FOR CHENICAL AND RADIOLOGICAL ANALYSIS

Project: VAG 3 GROUP 5 LONG-TERM MONITORING BASELINE SAPLING 10/11/00 Project Manager: C. J. ROBERTS

SMO Contact: J. D. JACKSON

|          | -       | -                  |      |                              |                |             |                      | *************************************** |           |    |       |       |         |               | -        |   |  |                     |               |  |               |               |          |              |          |          |          |              |
|----------|---------|--------------------|------|------------------------------|----------------|-------------|----------------------|---|-----------|----|-------|-------|---------|---------------|----------|---|--|---------------------|---------------|--|---------------|---------------|----------|--------------|----------|----------|----------|--------------|
|          | 3       | SAMPLE DESCRIPTION |      |                              |                | -tenulouius | SAMPLE               | SAMPLE LOCATION                         |           |    |       |       |         |               | ENTER    | AMLY  | ENTER ANALYSIS TYPES (AT) AND QUANTITY REQUESTED | V) Sa               | T. Æ          | 2 GLAN   | TITY A        | REGUES        | 9        |              |          |          |          |              |
| - 1      | 1       |                    | F    |                              |                |             |                      | 1                                       |           | F  | AT2 A | AT3 A | ATA ATS | S A76         | 6 AT7    | AT8   | AT9  | E                   |               | ATTO AT11 AT12 AT13 AT14 AT15 AT16 AT17 AT18 AT10 AT30 | 113 AT        | 14            | 14.5     | 17           | E        | -        | 1:       | 1 5          |
| SAMPLING | SAPPLE  | MEDIA              | 185  | SAMPLING PLANNED METHOD DATE | PARED<br>PARED | AREA        | LOCATION             | TYPE OF                                 | EPTH (ft) | 13 | -     | _     | _       | _             |          | _   |  | 8                   | a             |  | +             | 1             | +        | +            | +        | -        | -        | ₹ <b>1</b>   |
| 1        |         |                    |      |                              |                | 1           |                      |   |           |    |       | -1    | -1      | -1            | -1       | -   | -  | 2                   | 2             | $\dashv$   | -             | 5             | -        |              | -        |          |          |              |
| 504016   | REG     | GROUND WATER       | GRAB |                              | 10/11/00       | ) INTEC     | 9 <del>4</del> -8980 | MONITORING WELL                         | K/A       | -  | -     |       | -       | _             | _        | -   | -  | -                   | -             | -  | -             | -             |          | <del> </del> | -        | <u> </u> | -        | ī            |
| 504017   | REG     | GROUND WATER       | GRAB |                              | 10/11/00       | ) INTEC     | USGS-47              | MONITORING WELL                         | N/A       | -  | -     | -     | -       | <del> -</del> | -        | <u> </u>                                      | E  | -                   | -             | -  | <del> -</del> | -             | $\vdash$ | $\vdash$     | -        | -        | +        | Т            |
| 504018   | REG     | GROUND WATER       | GRAB |                              | 10/11/00       | ) INTEC     | 87-SDSN              | MONITORING WELL                         | K/A       | -  | -     | -     | -       | -             | <u> </u> | 二   | E  | E                   | -             | -  | -             | +             | $\vdash$ | $\vdash$     | +        | +        | +        | T            |
| 504019   | REG     | GROUND WATER       | GRAB |                              | 10/11/00       | ) INTEC     | 67-SDSN              | MONITORING WELL                         | N/A       | -  | -     | -     | -       | -             | E        | _   | E  | -                   | F             | -  | -             | -             | $\vdash$ | $\vdash$     | -        | +        | +        | Т            |
| 504020   | yee (   | GROUND WATER       | GRAB |                              | 10/11/00       | ) INTEC     | USGS-51              | MONITORING WELL                         | K/A       | -  | -     | -     | =       | -             | <u> </u> | 二   | E  | E                   | -             | -  | -             | -             | +        | +            | $\vdash$ | +        | +        | Т            |
| 50M021   | REG     | GROUND WATER       | GRAB |                              | 10/11/00       | ) INTEC     | 24-spsn              | MONITORING WELL                         | N/A       | -  | -     | -     | -       | -             | =        | <u> </u>                                      | -  | E                   | <del> -</del> | -  | -             | +             | +        | ╀            | +        | +        | +        | 1            |
| 50H022   | REG     | GROUND WATER       | GRAB |                              | 10/11/00       | ) INTEC     | USGS-57              | MONITORING WELL                         | W/A       | -  | -     | -     | -       | -             | <u> </u> | _   | E  | F                   | -             | =  | <del> -</del> | +             | $\vdash$ | ╀            | $\vdash$ | +        | +        | Т            |
| 50M023   | REG     | GROUND WATER       | GRAB |                              | 10/11/00       | ) INTEC     | 65-sbsn              | MONITORING WELL                         | N/A       | -  | F     | =     | -       | -             | <u> </u> | -   | =  | F                   | -             | -  | -             | -             | $\vdash$ | ╁            | -        | +        | +        | T            |
| \$0M024  | REG     | GROUND NATER       | GRAB |                              | 10/11/00       | ) INTEC     | 29-sdsn              | HONITORING WELL                         | N/A       | -  | -     | -     | -       |               | -        | _   | =  | -                   | -             | -  | -             | -             | $\vdash$ | -            | $\vdash$ |          | +        | T ·          |
| 50M025   | REG     | GROUND WATER       | GRAB |                              | 10/11/00       | INTEC       | 77-s9sn              | MONITORING WELL                         | K/A       | -  | =     | -     | -       | -             | =        | _   | E  | -                   | -             | =  | -             | =             | ╁        | $\vdash$     | $\vdash$ | 1        | +        | Т            |
| 50M026 R | REG     | GROUND MATER       | GRAB |                              | 10/11/00       | ) INTEC     | USGS-82              | MONITORING WELL                         | K/A       | -  | -     | -     | -       | Ë             | <u> </u> | <u> </u>                                      | -  | -                   | -             | -  | -             | +             | $\vdash$ | ┼-           | $\vdash$ | $\vdash$ | +        | т-           |
| 50M027 R | REG     | GROUND WATER       | GRAB |                              | 10/11/00       | INTEC       | 98-S9SN              | MONITORING WELL                         | N/A       | -  | -     | -     | -       | _             | _        | <u>  -                                   </u> | =  | -                   | -             | -  | -             | -             | -        | $\vdash$     | ╂-       | $\vdash$ | $\vdash$ | т-           |
| 50M028   | REG     | GROUND WATER       | GRAB |                              | 10/11/00       | INTEC       | USGS-85              | HONITORING WELL                         | N/A       | 1  |       | -     | -       | Ę             | _        | <u> </u>                                      | E  | -                   | -             | -  | <del> -</del> | +             | -        | -            | -        | -        | $\vdash$ | Т            |
| 50M029   | REG     | GROUND WATER       | GRAB |                              | 10/11/01       | INTEC       | USGS-111             | MONITORING WELL                         | N/A       | =  | F     | _     | -       | Ë             | _        | -   | Ξ  | -                   | -             | -  | -             | +             | $\vdash$ | -            | $\vdash$ | -        | +        | <del>-</del> |
| 50M030 R | REG . ( | GROUND MATER       | GRAB |                              | 10/11/00       | INTEC       | USGS-112             | MONITORING WELL                         | N/A       | -  | -     | -     | -       | Ë             | -        | Ľ   | -  | -                   | -             | -  | -             | <del> -</del> | $\vdash$ | -            | 1        | -        | 1        | Ė            |
|          |         |                    |      |                              |                |             |                      |   |           |    |       |       |         |               |          |   | -  | Witness of the last | -             | -  | -             | -             | 1        | -            | -        |          | -        | 7            |

The sampling activity displayed on this table represents the first six characters of the sample identification number. The complete sample identification number (10 characters) will appear on field guidance forms and sample labels.

CONTRACO

| AT1:  | An-241             | AT11: Strontium-90      |   |
|-------|--------------------|-------------------------|---|
| AT2:  | Gross Alphe/Beta   | AT12: Pu Isotopes       | isotopic Pu is defined as Pu-238, Pu-239 and Pu-240   |
| AT3:  | Anions             | AT13: <u>Iodine-129</u> | Isotopic U is defined as U-234, U-235 and U-238       |
| AT4:  | CLP Metals         | AT14; Uranium Isotopes  | Germa Spectrometry analysis isotope of concern Cs-137 |
| AT5:  | 1c-99              | AT15:                   |   |
| AT6:  | Mercury            | A716:                   |   |
| AT7:  | Np-237             | A117:                   |   |
| AT8:  | Pu-241             | AT18:                   |   |
| AT9:  | Gamma Spectroscopy | AT19:                   |   |
| AT10: | Tritium            | A720:                   |   |

SAMPLING AND ANALYSIS PLAN TABLE FOR CHEMICAL AND RADIOLOGICAL ANALYSIS Plan Table Revision: 1.0 Plan Table Number: <u>WAG3GROJP5(RD1)</u> SAP Number: Date: 07/20/00 Plan Table

SAMPLE TYPE MEDIA

SAMPL ING ACTIVITY

2

50M031

REG REG REG 350 REG

50M032 **50M033** 504034 50H035 50M036 **50M037** 504038 50M039 50M040 50N041 50M042 50MD43

NAG 3 GROUP 5 LONG-TERM MONITORING BASELINE SMPLING 10/11/00 Project Manager: C. J. ROBERTS Project:

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SNO Contact: J. D. JACKSCH

NT1 AT2 AT5 AT6 AT5 AT6 AT7 AT8 AT9 AT10 AT11 AT12 AT13 AT14 AT15 AT16 AT17 AT18 AT19 AT20 ENTER ANALYSIS TYPES (AT) AND QUANTITY REQUESTED 88 7 9 3 ວ --~ A8 A8 \* OEPTH (#E) ¥/¥ ₹ \$ **\$** ≨ ≨ ≨ ¥ Ş ≨ ₹ ≨ ≦ X ≸ HONITORING WELL MONITORING WELL MONITORING WELL MONITORING WELL HONITORING WELL MONITORING WELL HONITORING WELL MONITORING WELL KONITORING WELL HONITORING WELL MONITORING WELL HONITORING WELL CHITORING WELL MONITORING WELL HONITOKING WELL LOCATION SAMPLE LOCATION **USGS-113** USGS-114 USGS-115 USGS-122 USGS-121 USGS-116 USGS-123 LF3-10 LF2-10 LF2-11 LF3-11 LF3-8 LF3-9 LF2-8 LF2-9 INTEC AREA 10/11/00 10/11/00 10/11/00 10/11/00 10/11/00 10/11/00 10/11/00 10/11/00 10/11/00 10/11/00 10/11/00 10/11/00 10/11/00 10/11/01 10/11/00 SAMPLING PLANNED METHOD DATE GRAB ğ SAMPLE DESCRIPTION GROUND MATER GROUND WATER REG/OC GROUND WATER GROUND MATER GROUND WATER GROUND WATER GROUND VATER

EG

SEG REG **8**80

The sampling activity displayed on this table represents the first six characters of the sample identification number. The complete sample identification number (10 characters) will appear on field guidence forms and sample labels.

Gamma Spectrometry analysis isotope of concern Cs-137 isotopic Pu is defined as Pu-238, Pu-239 and Pu-240 isotopic U is defined as U-234, U-235 and U-238 AT14: Uranium isotopes AT11: Strontfum-90 AT12: Pu Isotopes AT13: 10dine-129 AT15: AT17. AT16: AT18: AT19: AT20: Garria Spectroscopy Gross Alpha/Beta CLP Metals Mercury Tritie Ant-241 Anions F-23 Pu-241 8-5 AT3: AT4: AT5: AT6: AT7: AT2: KT8:

ZEG ZEG REG

50M044

**50M045** 

**2** 55

Plan Table Revision: 1.0 Plan Table Mumber: WAG36RQUP5(RD1) SAP Mumber: Date: 07/20/00 Plan Table R

SAMPLING AND ANALYSIS PLAN TABLE FOR CHEMICAL AND RADIOLOGICAL ANALYSIS

Page 4 of 4

SMC Contact: J. D. JACKSON

Project: LAG 3 GROUP 5 LONG-TERM WOMITORING BASELINE SYPLING 10/11/00 Project Manager: C. J. ROBERTS

AT1 AT2 AT3 AT4 AT5 AT6 AT7 AT8 AT9 AT10 AT11 AT12 AT13 AT14 AT15 AT16 AT17 AT18 AT19 AT20 ENTER ANALYSIS TYPES (AT) AND QUANTITY REQUESTED AB AN C1 EA NG NP PY RA RB RB RF R1 UA ~ 2 --~ ~ ~ •--~ \* OEPTH (ft) × Ş ×. MONITORING WELL NONITORING WELL EQUIPMNT RINSTE TYPE OF LOCATION SAMPLE LOCATION LOCATION LF2-12 ¥-18 8 INTEC INTEC INTEC Æ 10/11/00 10/11/00 10/11/00 COLL SAMPLING PLANKED
TYPE METHOD DATE GRAB RKST ĝ SAMPLE DESCRIPTION GROUND MATER REG/OC GROUND WATER SAMPLE MEDIA WATER 33 y SAMPL ING ACTIVITY 50H046 504047 50M048

The sampling activity displayed on this table represents the first six characters of the sample identification number. The complete sample identification number (10 characters) will appear on field guidance forms and sample labels.

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| AT1:  | An-241                  | AT11: Strentius-90      |   |
|-------|-------------------------|-------------------------|---|
| AT2:  | Gross Alpha/Beta        | A112: Pu Isotopes       | 1991cpic Pu is defined as Pu-238, Pu-239 and Pu-240   |
| AT3:  | Anions                  | AT13: <u>Lodine-129</u> | Isotopic U is defined as U-234, U-235 and U-238       |
| AT4:  | AT4: CLP Hetals         | AT14; Uranium Isotopes  | Gamma Spectrometry analygis isotope of concern Cs-137 |
| AT5:  | 16:99                   | AT15:                   |   |
| AT6:  | Mercury                 | A716:                   |   |
| AT7:  | AT7: Np-237             | A717:                   |   |
| AT8:  | Pu-241                  | A718:                   |   |
| AT9:  | A79: Garma Spectroscopy | A119:                   |   |
| AT10: | AT10: Tritium           | A720:                   |   |

Plan Table Revision: 1.00 Plan Table Number: WAG3GROUP5(RD2) Date: 07/20/00

REG 2

50MD50 50M051 50M052 2

**SOM053** 

EG

50405

끭 REG 2 3 2

50M055 SQM056

SAMPLING AND ANALYSIS PLAN TABLE FOR CHEMICAL AND RADIOLOGICAL ANALYSIS

Page \_1 of \_2

SMD Contact: J. D. JACKSON

Project: WAG 3 GROUP 5 OPERATION AND MAINTENANCE-ROUND 2 (SENIANN)

Project Manager: C. J. ROBERTS

ENTER ANALYSIS TYPES (AT) AND QUANTITY REQUESTED 3 PY RA RB RF RI ~ 윺 AB EA HG ~ ¥ 配金 MONITORING WELL COMMENT HONITORING WELL COMMENT MONITORING WELL COMMENT MONITORING WELL N/A MONITORING VELL N/A HONITORING WELL NAM HONITORING WELL N/A MONITORING WELL N/A HONITORING WELL N/A MONITORING WELL N/A MONITORING WELL N/A MONITORING WELL N/A HONITORING WELL N/A HONITORING WELL N/A MONITORING WELL N/A TYPE OF LOCATION SAMPLE LOCATION LOCATION USGS-121 usas-122 USGS-123 07-5950 24-S9Sn 74-SBSU 87-S5SN 69-S9SN 15-SDSN USGS-52 89-S9SN 05-89SN USGS-41 LF3-08 ₹-18 Æ 05/25/01 INTEC 05/25/01 INTEC 05/25/01 INTEC 05/25/01 INTEC 05/25/01 INTEC 05/25/01 THTEC 05/25/01 INTEC SAMPLING PLANNED METHOD DATE 38 GRAB SEAB SEAB SEAB GRAB 828 GRAB GRAB GRAB GRAB GRAB GRAB GRAB GRAB GRAB 훒 SAMPLE DESCRIPTION GROUND WATER GROUND WATER REG/GC GROUND WATER GROUND WATER GROUND WATER GROUND MAYER GROUND LIATER GROUND WATER GROUND WATER GROUND WATER GROUND WATER GROUND LIATER GROUND WATER GROUND WATER GROUND WATER SAMPLE MEDIA

The sampling activity displayed on this table represents the first six characters of the sample identification number. The complete sample identification number (10 characters) will appear on field guidance forms and sample labels.

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| AT1:   | An-241             | A711: <u>Jodine-129</u>       | Samples 504064 S04062 and 504063 that I ha taken doos a deast hall at a |
|--------|--------------------|-------------------------------|---|
| AT2:   | Gross Alpha/Beta   | A712: <u>Uranium Isotopes</u> | interbed.   |
| AT3:   | Tc-99              | AT13:                         | Soctopic Pu is defined as Pu-238. Pu-230 and Bu-240                     |
| AT4:   | Hercury            | A714:                         | Isotopic U is defined as U-234, U-238, and U-238.                       |
| ATS:   | Np-237             | A715:                         | Gamma spactrometry analysis isntona of concern 6=.17                    |
| AT6:   | Pu-241             | A716:                         |   |
| AT7:   | Gamma Spectroscopy | A717:                         |   |
| ATB:   | Tritius            | A718:                         |   |
| AT9:   | Strontium-90       | A719:                         |   |
| AT 10: | Pu Isatopes        | A720:                         |   |

2 REG

504061

50M062

25

50MD60

**50M059** 

50M058

**50M057** 

REG

50M063 50M064

**2** 

| Plan Table<br>SAP Number: | Kumber    | Plan Table Mumber: WAG3GROUP5(RD2) | ส                |           |                | SAMPLI   | IG AND ANALYSIS | SAMPLING AND ANALYSIS PLAN TABLE FOR CHENICAL AND RADIOLOGICAL ADDRESS | L AND PA | 10,00  | ži.      |           |          |           |          |                                |          |  |          |                            |        |          |           |             |   |
|---------------------------|-----------|------------------------------------|------------------|-----------|----------------|----------|-----------------|--|----------|--------|----------|-----------|----------|-----------|----------|--------------------------------|----------|--|----------|----------------------------|--------|----------|-----------|-------------|---|
| Date: 07,                 | 20/02/    | Plan Table Revision: 1.00          | e Revision       | 7         | 8              | Project: | : WAG 3 GROUP   | WAG 3 GROUP 5 OPERATION AND MAINTENANCE-Driving 2 COURTS               | ENANCE-D | C UNIT | THE WAY  |           |          | ;         |          |                                |          |  |          |                            |        | _        | 986       | Page 2 of 2 | ~ |
|                           | æ.        | SAMPLE DESCRIPTION                 | _                |           |                |          | 2 10713         | 1 Actoria  |          |        | COENTAN  | - 1       | Loled    | Ser 1     | ger:     | Project Manager: C. J. ROBERTS | BERTS    |  | 8        | SHO Contact: J. D. JACKSON | ii.    | 9        | ACKSO     | -           |   |
|                           |           |                                    |                  |           |                |          | 41.000          | ANTIE LUCATON  |          |        |          |           | <u>a</u> | TER AN    | ALYS18   | TYPES                          | (AT) A   | ENTER ANALYSIS TYPES (AT) AND QUANTITY REQUESTED | TIY R    | FOLIFST                    | 8      |          |           |             | Т |
| SAMPLING                  | SAMPLE    |                                    | COLLSAN          | DI TWG    | H ANUFO        |          |                 | ŀ  | Į        | 717    | 473 47   | -         | E        |           | 1        | H                              |          |  | 1        | 1                          |        |          |           |             |   |
| ACTIVITY                  | TYPE      | MEDIA                              | TYPE NETHOD DATE | 8         | DATE           | AREA     | LOCATION        | TYPE OF DES  |          | Ŀ      |          |           |          |           | •        | <u> </u>                       | Ę        | ATIZA  | T13 AT   | 14 AT                      | 5 AT16 | AT17     | AT18      | IT19 A1     | 8 |
| 50M065                    | REG       | GROUND WATER                       | GRAB             | ľ         | 05/25/01       | INTEC    | 11666.47        |  | -        | 2      | 5        | <u>유</u>  | 2        | ž         | 2        | RB RF                          | RI       | 5  | _        | _                          | L      |          | T         | $\vdash$    | Т |
| 504066                    | REG       | GROUND WATER                       | CPAR             | 6         | 05/25/04       |          |                 | PLATITURE MELL N/A   | +        |        | -        | _         | -        | -         | -        | -                              | -        | -  | ┞        | -                          | L      | I        | T         | $\dagger$   | Т |
| SOMOK?                    | ì         |                                    |                  | +         |                |          | 19-snsn         | MONITORING LELL N/A  | _        | -      | -        | -         | -        | -         | -        | -                              | -        | -  | +        | +                          | 1      | I        | †         | +           | Т |
|                           | Т         | UKUCHO WATER                       | GRAB             | 9         | 05/25/01       | INTEC    | USGS-112        | MONITORING WELL N/A  | -        | -      | -        | Ļ         | Ŀ        | 1-        | †-       | 1                              | T        | †  | +        | 4                          | _      |          | 1         | $\dashv$    |   |
| T                         | EG EG     | GROUND WATER                       | GRAB             | Ö         | 05/25/01       | HTEC     | USGS-113        | MONITORING WELL N/A  | +        | 1      | +        | 1         | -[       | -†.       | -†:      | 4                              |          | -†   | -        | -                          |        |          |           |             |   |
| 50M069                    | REG       | GROUND WATER                       | GRAS             | 9         | 10/52/50       | HTEC     | USGS-85         | HONITORING URIT N/A  | +        | 1      | - -      | 1         | -        | -         | -        | 4                              |          | -  | $\dashv$ | _                          |        |          | -         | $\vdash$    | T |
| 50M250                    | မွ        | WATER                              | RKST             | 8         | 05/25/01 INTEC |          | 96              | Salitable Assessment   | +        |        | +        | 4         |          | -         | -        |                                | -        | -  |          | _                          |        |          | H         | $\vdash$    | T |
|                           |           |                                    | L                | $\dagger$ | T              | T        |                 | A/W SECTION ALMOST M/A   | $\dashv$ |        | =        |           | -        | -         | -        | -                              | -        | -  | -        | _                          |        | T        | 十         | +           | T |
|                           |           |                                    | +                | $\dagger$ | T              |          |                 |  | $\dashv$ |        | -        |           |          |           | _        | _                              |          | $\vdash$   | $\vdash$ | $\perp$                    | I      | T        | $\dagger$ | +           | 7 |
|                           | T         | -                                  | +                | $\dagger$ | +              |          |                 |  |          |        |          | _         |          | ┝         | -        | L                              | L        | $\vdash$   | ╀        | 1                          | I      | †        | +         | +           | 1 |
|                           | 1         |                                    |                  | -         |                |          |                 |  | L        |        | $\vdash$ | L         | T        | $\dagger$ | +        | +                              | İ        | +  | +        | 1                          |        | 1        | $\dashv$  | -           |   |
|                           | 1         |                                    |                  |           |                |          |                 |  | +        | 1      | +        |           |          | $\dagger$ | +        | +                              | 1        | +  | $\dashv$ | _                          |        | -        |           |             | , |
|                           |           |                                    |                  | -         |                |          |                 |  | +        | 1      | +        | $\rfloor$ | 1        | 1         | $\dashv$ | _                              |          | _  |          |                            |        | -        | _         | L           | _ |
|                           |           |                                    | $\vdash$         | $\dagger$ | $\dagger$      |          |                 |  | -        |        | _        |           | -        |           |          |                                |          | -  | L        |                            |        | t        | +         | +           | 7 |
|                           | $\dagger$ |                                    | +                | +         | +              |          |                 |  |          |        | L        |           | Γ        | H         | ┞        | L                              | †        | +  | +        | I                          | 1      | †        | +         | -           |   |
|                           |           |                                    |                  |           |                |          |                 |  | H        | t      | ╀        | I         | †        | +         | +        | 1                              | +        | +  | 4        |                            |        | -        |           |             |   |
|                           |           |                                    |                  | -         |                |          |                 | 1  | 1        | 1      | +        |           | 7        | +         | $\dashv$ | $\Box$                         | $\dashv$ | $\dashv$   |          |                            |        | _        | ┝         | _           | 7 |
|                           |           |                                    | $\vdash$         | $\vdash$  | $\vdash$       | I        |                 |  | $\mp$    | +      | $\dashv$ |           | 7        | $\dashv$  | $\dashv$ |                                | ᅱ        | -  |          |                            | H      | $\vdash$ | $\vdash$  | _           |   |

SAMPLING AND ANALYSIS PLAN TABLE FOR CHEMICAL AND RADIOLOGICAL AMALYSIS Project: ÷. Plan Table Revision: Plan Table Number: <u>UAG3GROUP5(RD3)</u> SAP Number: Date: 07/20/00 Plan Table R

HAG 3 GROUP 5 OPERATION AND MAINTENANCE - ROUND 3 (ANNUAL)

Project Manager: C. J. ROBERTS

Page \_2 of \_2

AT1 | AT2 | AT3 | AT4 | AT5 | AT6 | AT7 | AT8 | AT10 | AT11 | AT12 | AT13 | AT15 | AT16 | AT17 | AT18 | AT19 | AT20 SMO Contact: J. D. JACKSON ENTER ANALYSIS TYPES (AT) AND QUANTITY REQUESTED AL AB EA NG NP PY R4 R8 RB RF R1 UA -OEPTH (††) ≨ MONITORING WELL NIA MONITORING WELL N/A MONITORING WELL N/A HONITORING WELL N/A HONITORING WELL N/A EQUIPMNT RINSTE TYPE OF LOCATION SAMPLE LOCATION LOCATION USGS-112 USGS-113 79-SDSN USGS-85 USGS-57 용 INTEC INTEC INTEC INTEC INTEC INTEC AREA

05/22/02

GRAB

GROUND WATER GROUND WATER

> 50H087 504088 50H089 50M251

05/22/02 05/25/05 05/22/05

GROUND WATER

GRAB GRAB

GROUND WATER

WATER

05/22/02 20/22/50

GROUND WATER

2 2 25 REG REG ន

50M085 **SOM086** 

GRAB GRAB

COLL SAMPLING PLANNED
TYPE METHOD DATE

SAMPLE | NEDIA

SAMPLING ACTIVITY

SAMPLE DESCRIPTION

The sampling activity displayed on this table represents the first six characters of the sample identification number. The complete sample identification number (10 characters) will appear on field guidance forms and sample labels.

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Project: WAG 3 GROUP 5 OPERATION AND MAINTENANCE - ROUND 4 (ANNUAL) Project Manager: FORSYTHE, H. S. Plan Table Revision: 3.0 Plan Table Number: WAG3GROUP5(RD4)
SAP Number:
Date: 0172/2002 Plan Table Revision

SMO Contact: KIRCHNER, D. R.

|   |   | Sample Description   | -                                       |             |                  |                       |                                    |   |                             |          |         |          |           |               | Ę       | er Analy  | rsis Typ   | Yes (AT  | Enter Analysis Types (AT) and Quantity Requested   | lantity F | Sednes   | 1 36     |          |          |          | Γ    |
|---|---|--|---|-------------|------------------|-----------------------|------------------------------------|---|-----------------------------|----------|---------|----------|-----------|---------------|---------|-----------|--|----------|--|-----------|----------|----------|----------|----------|----------|------|
|   |   |  |   |             |                  |                       | adias.                             |   |                             |          | H       | L        |           |               |         | H         | H  | H        |  |           |          | Н        | H        |          |          |      |
| Sampling                                | Sample                                  | Sample   |   | Sampling    | Planned          |                       | Type of                            |   | Depth                       | ¥        | AIZ AI3 | A A      | A 3       | Aib           |         | A B A     | 4  | 10 AT    | AIY AIB AIB AITO AITO AITO AITO AITO AITO AITO AITO  | È         | A 114    | 115 A    | 16AT     | ¥ V      | 8AT18    | AT20 |
| Activity                                | Туре                                    | Matrix   | Type                                    | Method      |                  | Area                  | Location                           | Location  |                             | ₹        | R4 AB   | æ        | £         | ğ             |         | R.        | £<br>₩   | ¥<br>82  | \$   |           |          |          |          |          |          |      |
| 5OM090                                  | REG                                     | GROUND WATER   | GRAB                                    |             | 05/20/03         | INTEC                 | MONITORING WELL                    | MW-18   | NIA                         | -        | -       | -        | -         | -             | -       | -         | -  | -        | Ē  |           |          | -        | _        | _        | L        |      |
| 5OM091                                  | REG                                     | GROUND WATER   | GRAB                                    |             | 05/20/03         | INTEC                 | MONITORING WELL                    | USGS-40   | NIA                         | -        | 1 1     | -        | -         | -             | -       | -         |  | -        | Ξ  |           | -        | -        |          |          |          | ]    |
| 50M092                                  | REG                                     | GROUND WATER   | GRAB                                    |             | 05/20/03         | INTEC                 | MONITORING WELL                    | USGS-42   | N/A                         | -        | -       | _        | -         | -             | -       | -         | -  | -        | -  |           |          | -        | -        | _        | <u> </u> | l    |
| SOM093                                  | REGIOC                                  | GROUND WATER   | DUP                                     |             | 05/20/03         | INTEC                 | MONITORING WELL                    | USGS-47   | N/A                         | 2        | 2 2     | 2        | 2         | 7             | 2       | 2         | 2 2  | 7        | 2  |           |          | -        |          | _        |          |      |
| 50M094                                  | REG                                     | GROUND WATER   | GRAB                                    |             | 05/20/03         | INTEC                 | MONITORING WELL                    | USGS-48   | N/A                         | -        | -       | -        | F         | -             | -       | -         | -  | -        | -  | Γ         |          | $\vdash$ | ├        | _        | ļ        |      |
| 50M095                                  | REG                                     | GROUND WATER   | GRAB                                    |             | 05/20/03         | INTEC                 | MONITORING WELL                    | USGS-49   | K/A                         | -        | -       | -        | F         | -             | -       | -         | -  | Ŀ        | Ξ  |           | -        | -        | -        | _        |          | Π    |
| 960MO9                                  | REG                                     | GROUND WATER   | GRAB                                    |             | 05/20/03         | INTEC                 | MONITORING WELL                    | USGS-51   | N/A                         | -        | -       | -        | F         | -             | -       | -         | -  | -        | F  |           |          | -        | -        | -        |          |      |
| 50M097                                  | REG                                     | GROUND WATER   | GRAB                                    |             | 05/20/03         | INTEC                 | MONITORING WELL                    | USGS-52   | N/A                         | -        | -       | -        | -         | -             | -       | -         | -  | -        | -  | T         | $\vdash$ | ┢        | ├-       | <u> </u> | _        |      |
| 50M098                                  | REG                                     | GROUND WATER   | GRAB                                    |             | 05/20/03         | INTEC                 | MONITORING WELL                    | USGS-121  | N/A                         | -        | -       | -        | -         | -             | -       | -         | -  | -        | -  | Т         | -        | ├        |          | ļ        | _        |      |
| 50M099                                  | REG                                     | GROUND WATER   | GRAB                                    |             | 05/20/03         | INTEC                 | MONITORING WELL                    | USGS-122  | ΑN                          | -        | -       | <u> </u> | Ξ         | -             | -       | -         | -  | -        | -  |           |          | -        | -        | _        |          |      |
| 50M100                                  | REG                                     | GROUND WATER   | GRAB                                    |             | 05/20/03         | INTEC                 | MONITORING WELL                    | USGS-123  | N/A                         | <u>-</u> | -       | Ŀ        | -         | -             | -       | -         | -  | <u>-</u> | -  |           | -        | -        | _        | _        | _        |      |
| 50M101                                  | REG                                     | GROUND WATER   | GRAB                                    |             | 05/20/03         | INTEC                 | MONITORING WELL                    | USGS-41   | NOTE                        | -        | -       | _        | F         | -             | -       | -         | -  | -        | -  |           | $\vdash$ | -        | <u> </u> | <u> </u> |          |      |
| 50M102                                  | REG                                     | GROUND WATER   | GRAB                                    |             | 06/20/03         | INTEC                 | MONITORING WELL                    | USGS-48   | NOTE                        | -        | -       | _        | Ξ         | -             | -       | -         | -  | -        | -  |           | -        | -        |          |          |          |      |
| 50M103                                  | REG                                     | GROUND WATER   | GRAB                                    |             | 05/20/03         | INTEC                 | MONITORING WELL                    | USGS-59   | NOTE                        | -        | -       | <u> </u> | -         | -             | -       | -         | -  | -        | -  |           |          | ╁        |          | ļ        |          |      |
| 50M104                                  | REG                                     | GROUND WATER   | GRAB                                    |             | 05/20/03         | INTEC                 | MONITORING WELL                    | LF3-08  | N/A                         | -        | -       | _        | -         | -             | -       | -         | -  | <u>-</u> | Ξ  | $\vdash$  | -        | -        | -        | ļ        |          |      |
| The sampling a                          | activity displayed                      | The sampling activity displayed on this table represents the first six characters of the sample id | he first six ch                         | aracters of | the sample ident | lentification number. | The complete sample identification | The complete sample identification number (10 characters) will appear on field guidance forms and sample labels | r on field guidance forms a | and Sar. | ple lab | 8 8      | Somments. |               |         |           |  |          |  | 1         |          | 1        |          |          |          | ]    |
| ATT. Comme Special                      | . Cooc                                  |  |   |             |                  |                       |                                    |   |                             |          |         | 2        | S.<br>Li  | nples (       | SOM10   | .5<br>M   | 102 and  | 1501     | Commission.  NOTE: Samples 50M101, 50M102 and 50M103 shall be taken from a depth below the HI interbed | be take   | an from  | a dept   | th below | E H      | interb   | -j   |
|   | Gross Alpha/Reta                        |  |   |             |                  |                       | A112: U-150                        |   |                             |          |         |          |           |               |         |           |  |          |  |           |          |          |          |          |          |      |
|   | 129                                     |  |   |             |                  |                       | AT16.                              |   |                             |          |         | <u>s</u> | Dic I     | in definition | ned as  | 1.734     | Solopic Pu is defined as PU-238, PU-239, and PU-240, solopic II is defined as IL-234, IL-235 and IL-238. | 9, and   | 8 240  |           |          |          |          |          |          | 1    |
|   |   |  |   |             |                  |                       | AT16                               | والمستعددة   |                             |          |         | S.       | ma spe    | drom          | etry an | alysis is | olope  | once It  | Gamma spectrometry analysis isotope of concern Cs-137  | 37.       |          |          |          |          |          |      |
|   |   |  |   |             |                  |                       | AT16:                              |   |                             |          |         | 1        |           |               |         |           |  |          | l  |           |          |          |          |          |          | I    |
| AT7: Pu-241                             |   |  |   |             |                  |                       | AT17.                              |   |                             |          |         |          |           |               |         |           |  |          |  |           |          |          |          |          |          |      |
| ATB: Pu-Iso                             |   |  |   |             |                  |                       | AT18:                              |   |                             |          |         |          |           |               |         |           |  |          |  |           |          |          |          |          |          | 1    |
| AT9: Sr-90                              |   |  |   |             |                  |                       | AT19.                              |   |                             |          |         |          |           |               |         |           |  |          |  |           |          |          |          | 1        |          | 1    |
| AT10: Tc-99                             |   |  |   |             |                  |                       | AT20:                              |   |                             |          |         |          |           |               |         |           |  |          |  |           |          |          |          |          |          |      |
| Analysis Suites                         | isi                                     |  |   |             |                  |                       |                                    | Confingencies:  |                             |          |         |          |           |               |         |           |  |          |  |           |          |          |          |          |          |      |
|   |   |  |   |             |                  |                       |                                    |   |                             |          |         |          |           |               |         |           |  |          |  |           |          |          |          |          |          |      |
|   |   |  |   |             |                  |                       |                                    |   |                             |          |         |          |           |               |         |           |  |          |  |           |          |          |          |          |          | 1    |
|   |   |  |   |             |                  |                       |                                    |   |                             |          |         |          |           |               |         |           |  |          |  |           |          |          |          |          |          |      |
| *************************************** | *************************************** |  | *************************************** |             |                  |                       |                                    |   |                             |          |         |          |           |               |         |           |  |          |  |           |          |          |          |          |          | ı    |
|   |   |  | -                                       |             |                  |                       |                                    |   |                             |          |         |          |           |               |         |           |  |          |  |           |          |          |          |          |          | ١    |

WAG3GROUP5(RD4)

Plan Table Number:

SAP Number:

Page 2 of 2

NOTE: Samples 50M101, 50M102 and 50M103 shall be taken from a depth below the HI interbed. Enter Analysis Types (AT) and Quantity Requested SMO Contact: KIRCHNER, D. R. Isotopic Pu is defined as Pu-238, Pu-239, and Pu-240.
Isotopic U is defined as U-234, U-235 and U-234.
Gamma speciforneity analysis isotope of concern Cs-137. R7 RB EA R8 R9 --- - -- - -----------A4 R4 AB RI HG NPPY Comments: ----The complete sample identification number (10 characters) will appear on field guidance forms and sample labels. -+ ----Depth (ft) ¥ N/N ¥ ¥ ¥ × ¥ Project Manager: FORSYTHE, H. S. ICPP-MON-A-230 USGS-112 USGS-85 USGS-57 USGS-67 LF2-08 Location ဗွ Sample Location Project: WAG 3 GROUP 5 OPERATION AND MAINTENANCE - ROUND 4 (ANNUAL) MONITORING WELL MONITORING WELL MONITORING WELL MONITORING WELL MONITORING WELL MONITORING WELL EQUIPMINT RINSTE Type of Location U-iso AT11: AT12: AT13: AT14: AT18: AT20: AT15: AT16: AT17: AT19: INTEC INTEC INTEC INTEC INTEC INTEC INTEC Area The sampling activity displayed on this table represents the first six characters of the sample identification number. Planned Date 05/20/03 05/20/03 05/20/03 05/20/03 05/20/03 05/20/03 05/20/03 Sampling Method GRAB GRAB GRAB GRAB GRAB GRAB 5 P. RNST Plan Table Revision: 3.0 GROUND WATER GROUND WATER GROUND WATER GROUND WATER GROUND WATER GROUND WATER WATER Sample Description Sample Matrix Sample Type REG REG REG REG REG REG ဗွ Gross Alpha/Beta Date: 01/22/2002 Gamma Spec lodine-129 Mercury Am-241 Np-237 Pu-241 Analysis Suites: Pu-Iso 8-S AT10: Tc-99 50M110 50M105 50M106 50M107 50M108 50M109 50M111 Sampling Activity AT9: AT1: AT2: AT5: AT6: AT7: AT8: AT3: AT4:

WAG3GROUP5(RD5)

Plan Table Number:

Enter Analysis Types (AT) and Quantity Requested SMO Contact: KIRCHNER, D. R.

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RB EA RB R9

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AT1 AT2 AT3 AT4 AT6 AT6 AT7 AT8 AT9 AT10 AT11 AT12 AT13 AT14 AT15 AT16 AT17 AT18 AT19 AT20 -----Comments: --2 2 --------\_ -----R4 AB RI The complete sample identification number (10 characters) will appear on field guidance forms and sample labels. -\_ \_ \$ NOTE NOTE NOTE Depth (#) ¥ ¥ ¥ ¥ ¥ ¥ ¥ W/A ¥ Ŋ ğ ¥ Project Manager: FORSYTHE, H. S. USGS-121 USGS-122 USGS-123 USGS-40 USGS-42 USGS-47 USGS-48 USGS-49 USGS-51 **USGS-52** USGS-41 USGS-48 USGS-59 Location MW-18 LF3-08 Sample Location Project: WAG 3 GROUP 5 OPERATION AND MAINTENANCE - ROUND 5 (ANNUAL) MONITORING WELL Type of Location OSI-N AT11: AT12: AT13: AT14: AT15: INTEC INTEC INTEC INTEC INTEC NTEC INTEC INTEC NTEC number. Area INTEC INTEC INTEC NTEC INTEC NTEC The sampling activity displayed on this table represents the first six characters of the sample identification 06/01/04 06/01/04 Planned Date 06/01/04 06/01/04 06/01/04 06/01/04 06/01/04 06/01/04 06/01/04 96/01/04 06/01/04 06/01/04 06/01/04 06/01/04 06/01/04 Sampling GRAB PUP o type Plan Table Revision: 2.0 GROUND WATER Sample Matrix Sample Description REG/OC Sample Type REG Gross Aipha/Beta Date: 01/22/2003 Gamma Spec lodine-129 SAP Number: Mercury Am-241 Np-237 50M274 50MZ70 50M272 50M273 50M260 50MZ61 50M262 50M263 50M264 50M265 50M266 50M267 50M268 50M269 50M271 Sampling Activity AT2: AT3: AT4 AT5: AT6: AT1:

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NOTE: Samples 50M271, 50M272, and 50M273 shall be taken from a depth below the HI interbed. Isotopic U is defined as U-234, U-235 and U238. Gamma spectrometry analysis isotope of concern Cs-137 Isotopic Pu is defined as Pu-238, Pu-239, and Pu-240. AT16: AT17: AT18: AT19: AT20: Pu-241 Analysis Suites: Pu-Iso Sr-90 AT10: To-99

AT7: AT8: AT9: Sampling and Analysis Plan Table for Chemical and Radiological Analysis

| Plan Ta  | Plan Table Number: v | WAG3GROUP5(RD5)  |                |                |                   |                    |  | no ferra ano fina  | 2                  |            |            |                 |  |          |           |                              |          |   |          | Раде         |          | 2 of      |     |
|--|----------------------|--|----------------|----------------|-------------------|--------------------|--|--|--------------------|------------|------------|-----------------|--|----------|-----------|------------------------------|----------|---|----------|--------------|----------|-----------|-----|
| SAP Number:  | mber:                |  |                |                |                   |                    |  |  |                    |            |            |                 |  |          |           |                              |          |   |          |              |          |           |     |
| Date:  | Dale: 01/22/2003     | Plan Table Revision: 2.0   | 2.0            | Project:       | WAG 3 GROUP       | 5 OPERATION AND MA | Project WAG 3 GROUP 5 OPERATION AND MAINTENANCE - ROUND 5 (ANNUAL) | Project Manager: FORSYTHE, H. S.   | si<br>∓'           |            |            |                 |  | 0,       | MO Con    | SMO Confact: KIRCHNER, D. R. | CHINER   |   |          |              |          |           |     |
|  |                      | Sample Description   |                |                |                   |                    | Sample Location  | Docation   |                    |            |            |                 |  | Ente     | Analysis  | s Types (                    | AT) and  | Enter Analysis Types (AT) and Quantity Requested        | Requeste | ,            |          |           | - 1 |
| Sampling<br>Activity   | Sample               | Sample<br>Matrix   | Zo Co∎         | Sampling       | Planned<br>Date   | Area               | Type of  |  | Depth              |            | AT2 AT3    | AT4 A           | AT5 AT6  | AT7      | TR AT9    | AT10                         | TAHTI    | AT7 AT8 AT9 AT10 AT11AT12AT13AT14AT15AT15AT17AT18AT19AT | T14 AT   | IS AT16      | AT17A    | T18 AT    | 4   |
| 50M275   | REG                  | GROUND WATER   | GRAB           |                | 1                 | INTEC              | MONITORING WELL  | 1868-57  | E                  |            |            | _               |  |          | -         | <b>a</b>                     | R8<br>R9 |   |          |              |          |           |     |
| 50M276   | REG                  | GROUND WATER   | GRAB           |                | 06/01/04          | INTEC              | MONITORING WELL  | USGS-67  | NIA AIM            |            |            |                 |  |          |           |                              |          |   | $\dashv$ |              | $\dashv$ | $\dashv$  |     |
| 50M277   | REG                  | GROUND WATER   | GRAB           |                | 06/01/04          | INTEC              | MONITORING WELL  | USGS-112   | A/N                |            |            | -               |  |          |           |                              |          |   | $\dashv$ |              | $\dashv$ | -         |     |
| 50M278   | REG                  | GROUND WATER   | GRAB           |                | 06/01/04          | INTEC              | MONITORING WELL  | USGS-85  | N/A                |            |            |                 | -   -  | - -      |           |                              |          | 1   | +        | $\downarrow$ | +        | $\dashv$  |     |
| 50M279   | REG                  | GROUND WATER   | GRAB           |                | 06/01/04          | INTEC              | MONITORING WELL  | LF2-08   | N/A                |            |            |                 |  |          |           | -                            |          |   | +        |              | +        | +         |     |
| 50M280   | REG                  | GROUND WATER   | GRAB           |                | 06/01/04          | INTEC              | MONITORING WELL  | ICPP-MON-A-230   | A/N                |            |            | -               |  |          |           |                              |          | 1   | +        | $\perp$      | $\dashv$ | $\dashv$  |     |
| 50M281   | 8                    | WATER  | RNST           |                | 96/01/04          | INTEC              | EQUIPMNT RINSTE  | 8  | δ/N                | -          |            |                 |  |          |           |                              |          | 1   | -        |              | $\dashv$ | -         |     |
|  |                      |  |                |                |                   |                    |  |  |                    |            | -          | -               |  | -        | -         | -                            | -        | _   | $\dashv$ |              | $\dashv$ | -         | - 1 |
|  |                      |  |                |                |                   |                    |  |  |                    |            |            | +               | $\neg$   | $\dashv$ |           |                              | -        |   | _        |              |          |           |     |
|  |                      |  |                |                |                   |                    |  |  |                    |            | 1          | $\dashv$        |  | $\dashv$ |           |                              | -        |   |          |              |          | _         |     |
|  |                      |  |                |                |                   |                    |  |  |                    |            |            | $\dashv$        |  | -        |           |                              |          |   |          |              |          | -         | 1   |
|  |                      |  |                |                |                   |                    |  |  |                    |            |            | -               |  |          |           | _                            | _        |   | _        |              | -        | -         | 1   |
|  |                      |  |                |                |                   |                    |  |  |                    |            |            |                 |  | -        |           | $\vdash$                     |          |   | -        |              | ┿        | $\vdash$  |     |
|  |                      |  |                |                |                   |                    |  |  |                    |            |            | -               |  |          |           |                              |          |   | -        |              | +-       | -         |     |
|  |                      |  |                |                |                   |                    |  |  |                    |            |            | $\dashv$        |  |          |           |                              |          |   | -        |              | ╁        |           |     |
| The sampling   | activity displayed   | The sampling activity displayed on this table represents the first six characters of the sample identification number. | a first six ch | aracters of th | e sample identifi | cation number.     | The complete cample dentification                                  |  |                    |            |            | $\dashv$        |  |          |           |                              |          |   | -        |              | -        | _         | 1   |
| AT1: Am-241  | 41                   |  |                |                |                   | į                  | AT11: Tritium  | o.compress contrancation maintener (10 chalacters) will appear on field guidance forms and sample tabels.  A711: Tritium | eld guidance forms | s and samp | le tabeis. | s.<br>Comments: | ند د   |          |           |                              |          |   |          |              |          |           |     |
|  | Gamma Spec           |  |                |                |                   |                    | AT12: U-Iso  |  |                    |            |            | OTE: S          | NOTE: Samples 50M271, 50M272, and 50M273 shall be taken from a death below the Hi interfect  | M271, 8  | OM272,    | and 50M                      | 273 shai | l be take   | fromad   | leath bet    | t eff w  | folial St |     |
|  | Gross Alpha/Beta     |  |                |                |                   |                    | AT13.  |  |                    |            | 1          |                 |  |          |           |                              |          |   |          |              |          |           | .   |
|  | r-129                |  |                |                |                   |                    | AT14:  |  |                    |            | <u> </u>   | otopic P        | Isolopic Pu is defined as Pu-238, Pu-239, and Pu-240, Isolopic II is defined an II 224, it as a subsequent in the party of | d as Pu  | 238, Pu-  | 239, and                     | Pu-240.  |   |          |              |          |           | 1   |
|  | Á:                   |  |                |                |                   |                    | A715.  |  |                    |            | 101        | amma s          | Gamma spectrometry analysis isotope of concern Cs-137.   | ry analy | is isotop | e of conc                    | ern Cs-1 | 37.   |          |              |          |           | 1   |
|  |                      |  |                |                |                   |                    | AT16:  |  |                    |            | ,<br>      |                 |  |          |           |                              |          |   |          |              |          |           | 1   |
|  | -                    |  |                |                |                   |                    | AT17:  |  |                    |            | 1          |                 |  |          |           |                              |          |   |          |              |          |           | 1   |
|  |                      |  |                |                |                   | ,                  | AT18.  |  |                    |            | 1          |                 |  |          |           |                              |          |   |          |              |          |           | - 1 |
| A79. Sr-90   |                      |  |                |                |                   |                    | AT19:  |  |                    |            | 1          |                 |  |          |           |                              |          |   |          |              | '        | 1.        | 1   |
| AT10: To-99  |                      |  |                |                |                   |                    | AT20:  |  |                    |            | 1          |                 |  | -        |           |                              |          |   |          |              |          |           |     |
| Analysis Suites  | 98;                  |  |                |                |                   |                    |  | Contingencies:   |                    |            | 1          |                 |  |          |           |                              | ĺ        |   |          |              |          |           | 1   |
|  |                      |  |                |                |                   |                    |  |  |                    |            |            |                 |  |          |           |                              |          |   |          |              |          |           | 1   |
|  |                      |  |                |                |                   |                    |  |  |                    |            |            |                 |  |          |           |                              |          |   | П        |              |          |           | 1 1 |
|  |                      |  |                |                |                   |                    |  |  |                    |            |            |                 |  |          |           |                              |          |   |          |              |          |           | 1   |
| Volume of the last |                      |  |                |                |                   |                    |  |  |                    |            |            |                 |  |          |           |                              |          |   |          |              |          |           | 1   |
|  |                      |  |                |                |                   |                    |  |  |                    |            |            |                 |  |          |           |                              |          |   |          |              |          |           | 1   |

Project Manager: FORSYTHE, H. S.

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Plan Table Number: WAG3GROUP5(RD6)

SAP Number:

Date: 01/22/2003 Plan Table Revision: 2.0 Project: WAG 3 GROUP 5 OPERATION AND MAINTENANCE - ROUND 6 (ANNUAL)

AT1 | AT2 | AT3 | AT4 | AT5 | AT6 | AT7 | AT8 | AT9 | AT10 | AT11 | AT12 | AT14 | AT15 | AT16 | AT17 | AT18 | AT19 | AT19 | AT19 NOTE: Samples 50M311, 50M312, and 50M313 shall be taken from a depth below the HI interbed. Enter Analysis Types (AT) and Quantity Requested Gamma Spectrometry analysis isotope of concern Cs-137 R7 R8 EA R8 R9 Isotopic Pu is defined as Pu-238, Pu-239, and Pu-240. 2 2 2 2 ----1 ----sotopic U is defined as U-234, U-235 and U-238. ---------7 --------2 2 2 2 2 2 ---1 1 1 1 ------1 1 1 1 1 1 -------Comments: -R4 AB RI HG ------ - --The complete sample identification number (10 characters) will appear on field guidance forms and sample labels. 7 ₹ NOTE NOTE NOTE Depth (#) Ν Š Κ ΚX N/A × Ν ΚX × ş ¥ Š USGS-48 USGS-59 MW-121 MW-122 MW-123 USGS-41 Location MW-18 MW-40 MW-42 MW-47 MW-48 MW-49 MW-51 MW-52 LF3-08 Sample Location MONITORING WELL Type of Location AT11: Trillum U-Iso AT12: AT13: AT14: AT15: AT16: AT17: AT18: AT19: AT20: INTEC INTEC Area NTEC NTEC INTEC The sampling activity displayed on this table represents the first six characters of the sample identification number. 05/20/05 05/20/05 05/20/05 05/20/05 05/20/05 05/20/05 05/20/05 05/20/05 05/20/05 05/20/05 05/20/05 05/20/05 05/20/05 05/20/05 05/20/05 Planned Date Sampling Method GRAB Ð Jy Be GROUND WATER sample Description Sample Matrix REG/OC REG REG Sample Type REG Gross Alpha/Beta Gamma Spec odine-129 Am-241 Mercury Np-237 Pu-241 Analysis Suites: Pu-Iso Sr-90 50M314 AT10: Tc-99 50M311 50M313 50M300 50M301 50M302 50M303 50M305 50M306 50M307 50M308 50M309 50M310 50M312 Sampling Activity 50M304 AT2: AT3: AT4: ATS: AT6: AT7: AT8: AT9:

Sampling and Analysis Plan Table for Chemical and Radiological Analysis

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Page

WAG3GROUP5(RD6)

Plan Table Number:

SAP Number:

AT1 AT2 AT3 AT4 AT5 AT6 AT7 AT8 AT9 AT19 AT11 AT12 AT13 AT14 AT15 AT16 AT17 AT18 AT19 AT20 NOTE: Samples 50M311, 50M312, and 50M313 shall be taken from a depth below the HI interbed. Enter Analysis Types (AT) and Quantity Requested SMO Contact KIRCHINER, D. R. Isotopic U is defined as U-234, U-235 and U-238.
Gamma Spectrometry analysis isotope of concern Cs-137. R7 RB EA R8 R9 isotopic Pu is defined as Pu-238, Pu-239, and Pu-240. 1 1 ---------ddN \*\*\* R4 AB RI HG -Comments: ----\_ --The complete sample identification number (10 characters) will appear on field guidance forms and sample labels. + --\*--₹ -Depth (ft) × N/N X/A ď, ΑN X X K/X Š Project Manager: FORSYTHE, H. S. ICPP-MON-A-230 Confingencies: USGS-112 **USGS-113 19-5950** USGS-85 USGS-57 LF2-08 Location 8 Sample Location Project: WAG 3 GROUP 5 OPERATION AND MAINTENANCE - ROUND 6 (ANNUAL) MONITORING WELL EQUIPMNT RINSTE Type of Location AT11: Tritium AT16: AT12: AT13: AT14: AT15: AT17: AT18: AT19: AT20: INTEC INTEC INTEC INTEC INTEC INTEC INTEC NTEC The sampling activity displayed on this table represents the first six characters of the sample identification rumber. Area Planned Date 05/20/05 05/20/05 05/20/05 05/20/05 05/20/05 05/02/05 05/02/05 05/20/05 Sampling Method GRAB GRAB GRAB GRAB GRAB GRAB GRAB RNST Zyge Co Plan Table Revision: 2.0 GROUND WATER Sample Description Sample Matrix Sample Type REG REG REG REG REG REG REG 8 Gross Alpha/Beta Date: 01/22/2003 **Gamma Spec** lodine-129 Mercury Am-241 AT7: Pu-241 Np-237 Analysis Suites: Purlso 50M316 50M318 50M319 50M320 Sr-90 50M315 50M317 50M322 AT10: Tc-99 Sampling Activity 50M321 AT1: AT2: AT8: AT9. AT3: AT4: AT5 AT6:

| SAP Number | Number:  | Plan Table Number: VAGGROUPS(RD7) | ŭ      |                  |                | SAMPLING | AND ANALYSIS F   | SAMPLING AND ANALYSIS PLAN TABLE FOR CHEMICAL AND RADIOLOGICAL ANALYSIS  | MICAL AND  | RADIO    | 2000          | YHV :   | YSIS     |        |       |                               |     |        |  |       |              |                          |                         |        | 909        | 3         | •  |
|------------|----------|-----------------------------------|--------|------------------|----------------|----------|--|--|------------|----------|---------------|---------|----------|--------|-------|-------------------------------|-----|--------|--|-------|--------------|--------------------------|-------------------------|--------|------------|-----------|----|
| Date: 07,  | 07/20/00 | Plan Table Revision:              | e Revi | - 1              | 0.0            | Project: |  | WAGE GROUP 5 OPERATION AND NAINTENANCE-ROUND 7 (ANNUAL)  | LINTENANCE | -80,80   | 7             | WAL)    |          | Proje  | ict i | Project Menager: C.J. ROBERTS | 3   | ROBERT | g  |       | 9            | SWO Contact: 1.0 Jackson | -                       |        | TO TO AREA | 5<br>-1   | 7  |
|            | ¥5       | SAMPLE DESCRIPTION                | ¥      |                  |                |          | SAMPLE   | SAMPLE LOCATION  |            |          |               |         |          | "      | MTER  | MALYSI                        | S T | ES (A1 | ENTER ANALYSIS TYPES (AT) AND QUANTITY REQUESTED       | QUANT | 17 KE        | OUESTE                   | Is                      |        | F          |           | Γ  |
| SAMPLING   | SAMPLE   |                                   | B      | SAMPL 146        | PLANNED        |          |  | TYDE OF  | 1          | AT1 A    | ATZ A         | ATS AT4 | 14 ATS   | S Ag   | 1     | AT6 AT7 AT8 AT9               | ¥19 | 冒      | AT10 AT11 AT12 AT13 AT14 AT15 AT16 AT17 AT18 AT19 AT20 | 12    | E E          | \$ ATTS                  | AT 16                   | A117   | AT 18      | 100       | 15 |
| ACTIVITY   | E E      | TYPE MEDIA                        | TYPE   | TYPE METHOD DATE | DATE           | AREA     | LOCATION   | LOCATION   | £          | **       | 2             | 5       | <u>유</u> | ž<br>a | 2     | 22                            | 2   | 12     |  | s     | ╀            | $oldsymbol{\perp}$       | L                       | I      | T          | 1         | Т  |
| 50M350     | REG      | GROUND WATER                      | CRAB   |                  | 06/01/06 INTEC |          | Fig-18   | MONITORING WELL N/A  | ≨          | F        | -             | †=      |          |        |       | -1                            | 1-  | -1     |  | +     | +            | _                        |                         |        | T          | T         | Т  |
| 50/351     | REG      | GROUND WATER                      | GRAB   |                  | 06/01/06 INTEC |          | W-40   | MONITORING WELL N/A  | K/A        | 1-       | <del> </del>  | †=      | +        | +      | #     | E                             | -   | †-     | +-   | +     | +            | _                        |                         |        |            | 1         | T  |
| 504352     | REG      | GROUND WATER                      | GRAS   |                  | 06/01/06 INTEC |          | ₩-42   | MONITORING WELL N/A  | K/A        | <u> </u> | †=            | ╁       | +-       | 는      | 1     | F                             | -   | 1-     | -  | +     | +            | 1                        | 1                       |        | T          | 十         |    |
| SOM353     | REG/OC   | REG/OC GROUND MATER               | 줊      |                  | 06/01/06 INTEC |          | F2-47  | MONITORING WELL N/A  | ¥.         | ~        | ~             | 12      | 2        | 2 2    | ~     | ~                             | ~   | ~      | ~  | - ~   | +            | _                        | $\perp$                 |        | T          | $\dagger$ |    |
| 504354     | REG      | GROUND MATER                      | GRAB   |                  | 06/01/06 INTEC |          | 87-79  | MONITORING WELL N/A  | K/A        | 1-       | †=            | +-      | 卡        | 1      | 上     | -                             | 1-  | †=     | 1  | +     | $\bot$       | 1                        |                         |        | T          | +         | Т  |
| 50H355     | REG      | GROUND MATER                      | GRAB   |                  | 06/01/06 INTEC |          | 67-73  | MONITORING MELL N/A  | ¥.         | 1-       | +             | +       | 上        | +      | 1     | F                             | -   | 1-     | +  | +     | _            | $\bot$                   | $oldsymbol{\mathbb{L}}$ | T      | T          | 十         | T  |
| 504356     | REG      | GROUND WATER                      | GRAB   |                  | 06/01/06 INTEC |          | AV-51  | MONITORING WELL N/A  | K/A        | F        | †=            | +       | +=       | +      | 1     | F                             | 1-  | †=     | +  | +     | $\downarrow$ | 1                        |                         | T      | 1          | 十         | T  |
| 504357     | REG      | GROUND WATER                      | GRAB   |                  | 06/01/06 INTEC |          | KV-52  | MONITORING WELL N/A  | *          | †-       | +             | +-      | +        | +      | 1-    | E                             | 1-  | 1-     | +  | +     | $\downarrow$ | $\perp$                  | I                       |        | $\top$     | $\top$    | T  |
| 504358     | REG      | GROUND WATER                      | GRAB   |                  | 06/01/06 INTEC |          | NJ-121   | MONITORING WELL N/A  | \$         | †=       | +-            | +       | ╀        | 1      | 上     | Ŀ                             | -   | ╁      | +  | +     | $\bot$       | $\perp$                  |                         | T      | 十          | $\dagger$ | T  |
| 504359     | REG      | GROUND WATER                      | GRAS   |                  | 06/01/06 INTEC |          | M-122  | MONITORING MELL N/A  | N/         | †-       | ╁             | +       | +=       | +      | 1     | E                             | 1-  | 1-     | +-   | +     | $\bot$       |                          |                         | $\top$ | 十          | 十         | T  |
| 50M360     | REG      | GROUND WATER                      | GRAB   |                  | 06/01/06 INTEC |          | M-123  | MONITORING WELL N/A  | \$         | †=       | <del> -</del> | +       | +        | 1      | 上     | F                             | 1-  | †-     | +  | +     | +            | 1                        |                         | T      | 十          | $\dagger$ | T  |
| 504361     | REG      | GROUND WATER                      | GRAB   |                  | 06/01/06 INTEC |          | 1568-41  | MONITORING WELL COMMENT  | CHIENT     | †-       | +             | +       | +        | +      | 1     | E                             | 1-  | 1-     | +  | +     | $\bot$       | $\perp$                  |                         | T      | 十          | $\dagger$ | T  |
| 504362     | REG      | GROUND WATER                      | GRAB   |                  | 06/01/06 INTEC | _        | 1565-48  | HONITORING WELL COMMENT  | CHMENT     | 1-       | ╞             | +       | 1=       | 上      | 上     | 1-                            | 1-  | †-     | +-   | +     | $\bot$       | $\perp$                  | I                       | 十      | 十          | $\dagger$ | T  |
| 50/0363    | REG      | GROUND WATER                      | GRAB   |                  | 06/01/06 INTEC |          | U\$68-59   | MONITORING WELL COMMENT  | OWENT      | 1-       | +-            | +       | 1        | 丰      | 上     | F                             | -   | †=     | +  | +     | _            | $\perp$                  | I                       | 十      | $\dagger$  | 十         | 7  |
| 501(364    | REG      | GROUND WATER                      | GRAB   |                  | 06/01/06 INTEC |          | LF3-08   | MONITORING WELL N/A  | 1          | -        | +             | =       | 1        | 上      | 1     | F                             | -   | †=     | +  | +     | 1            | $\perp$                  |                         | 十      | $\dagger$  | 十         | Т  |
|            |          |                                   |        |                  |                |          | The state of the s | The second secon | ļ          | -        | -             |         |          | _      | _     | -                             | -   | -      | -  | _     |              | _                        | _                       | -      |            |           |    |

The sampling activity displayed on this table represents the first six characters of the sample identification number. The complete sample identification number (10 characters) will appear on field guidance forms and sample labels.

| AT1: AT2: AT4: AT5: AT5: AT6: AT7: | An-241 Efoss Alpha/Beta Tc-59 Mercury Mp-237 Pu-241 Gamma Spectroscopy | AT11: Logine-129 AT12: Uranium Isotopes AT13: AT14: AT14: AT15: AT16: AT17: AT18: | CONNENTS  Sectopic Pu is defined as Pu-236, Pu-239 and Pu-240.  Sectopic U is defined as U-236, U-235 and U-236.  Gamma Spectrometry analysis isotope of concern Cs-137.  Semples 504561, 504562 and 504363 shall be taken from a depth below the #!  Interbed. |
|------------------------------------|--|---|---|
| AT9:                               | Strontium-90   | A719;   |   |
| 110:                               | MITO: Pu Isotopes  | 4726.   |   |

| 28          | 1 un 1   | able Number              | 3  | <u>8</u>         |                      |   |             | SAMPLIN                        | G AND ANALYSIS                       | SAMPLING AND ANALYSIS PLAM TABLE FOR CHEMICAL AND RADIOLOGICAL ANALYSIS                                       | ENTCAL AND R         | MOTOLC   | GC.      | AKAL         | Sis  |         |             |       |   |           |          |          |          |  |         |               | e d    | Bane 2 as | ,       |
|-------------|----------|--------------------------|--|------------------|----------------------|---|-------------|--------------------------------|--------------------------------------|---|----------------------|----------|----------|--------------|--|---------|-------------|-------|---|-----------|----------|----------|----------|--|---------|---------------|--------|-----------|---------|
| 8 [         | اقِ      | 01/20/00                 | P. P. T.   | ble &            | Plan Table Revision: | 0.0                                     |             | Project:                       |                                      | WAGS GROUP 5 OPERATION AND MAINTENANCE-ROUND 7 (ANNUAL)   | AINTENANCE-A         | 98       | CAB      | SE SE        |  | Proje   | it æ        | ager: | Project Hanager: C.J. ROBERTS   | ROBER     | 2        |          | 35       | SWC Contact.   |         | Topodor W. I. |        | 1 ۽       | 1       |
|             |          |                          | SAMPLE DESCRIPTION   | NO.              |                      | T-1110-T                                | <u> </u>    |                                | SAMPLE                               | SAMPLE LOCATION   |                      |          |          |              | 1  |         | ITER A      | MALYS | ENTER ANALYSIS TYPES (AT) AND QUANTITY REQUESTED                            | ES (A)    | 8        | S.       | Ē        | EQUES  |         |               |        | 5         |         |
| 1005        | SAMPLING | 4                        | SAMPLE   | 88               | J.L. SAMP            | COLL SAMPLING PLANKED                   | - B         | ibes                           |                                      | TYPE OF   | DEPTH                |          | 2 AT3    | 3 AT4        | <u>£</u>                                     | ച       | AT6 AT7 AT8 | ATB   | АТ9   | 를         | A III    | 712 A    | 13.A1    | AT10 AT11 AT12 AT13 AT14 AT15 AT16 AT17 AT18 AT19 AT20 | S AT    | PK 6          | F      | 1         | N N     |
| <u>"L</u>   | 27776    |                          | C NEWIA  | T                | 3 0100               | 2 2                                     | -13         | ARGA                           | 10CV 108                             | LOCATION  | €                    | ¥        | 3<br>8   | 꾶            | <u>₽</u>                                     | 7       | ž           | 82    | 22  | RF        | <b>2</b> | 5        |          | -  | _       | L             | -      | L         | L       |
| <u>. 1.</u> |          | T                        | UKUND KA : EK  | Т                | 8                    | 3                                       |             | NIEC.                          | USGS-37                              | MONITORING WELL M/A   | W/A                  | -        | _        | _            | _  | -       | -           |       | -   | -         | -        | -        | $\vdash$ | ┝  | L       | L             | L      | L         | L       |
|             | 504366   |                          | GROUND NATER   |                  | GRAB                 | 8                                       |             | INTEC                          | 79-5080                              | MONITORING WELL M/A   | ¥/¥                  | -        | -        | Ē            | Ľ  | 二       | -           | -     | -   | =         | -        | †=       | +        | ╀  | +       | +             | 4      | $\bot$    | $\perp$ |
|             | 50H367   | 57 REG                   | GROUND VATER   |                  | GRAB                 | 8                                       | 06/01/06 IN | INTEC                          | USGS-112                             | HONITORING WELL N/A   | K/A                  | -        | Ŀ        | Ę            | <u>                                     </u> | 上       | 上           | F     | 1-  | ╞         | 1-       | 愇        | +        | +  | +       | _             | $\bot$ | 4         | $\perp$ |
| <u>.</u>    | 50M368   | X8<br>REG                | GROUND WATER   |                  | GRAB                 | 8                                       | 06/01/06 IN | INTEC                          | USGS-113                             | MONITORING WELL N/A   | V <sub>1</sub>       | -        | -        | F            | 上  | 上       | 上           | -     | 1-  | 恄         | †-       | +        | ╁        | +  | $\bot$  | 4             | 4      | $\bot$    | $\perp$ |
|             | 50M369   | S9 REG                   | GROUND WATER   |                  | GRAB                 | 7/98                                    | 06/01/06 IN | INTEC                          | USGS-85                              | MONITORING WELL N/A   | ¥/¥                  | +        | +        | ╀            | 上  | +       | 上           | -     | 1-  | †-        | †-       | +-       | +        | +  | 4       | 4             | 4      | 4         |         |
|             | 500370   | ည                        | WATER  | RHST             | lST                  | 1/90                                    | 06/01/06 IN | NTEC                           | 90                                   | EQUIPMNT RINSTE N/A   | N/A                  | +        | +        | <del> </del> | 上  | 上       | <u> -</u>   | -     | -   | 1-        | : -      | :†=      | +        | +  | - -     | $\bot$        | _      | $\perp$   | $\perp$ |
|             |          |                          |  | $\dashv$         | -                    |   | -           |                                |                                      |   |                      | ╀        | ╀        | ╀            | _  | _       | L           | T     | T   | $\dagger$ | +        | +        | +        | +  | 4       | _             | 1      | $\perp$   |         |
|             | I        |                          |  | $\dashv$         | _                    | -                                       |             |                                |                                      |   |                      | -        | ┞-       | $\vdash$     | $oldsymbol{\perp}$                           | L       |             | Γ     | T   | T         | 十        | +        | +        | ╀  | $\bot$  | 1             | 1      | 1         |         |
|             |          |                          |  |                  |                      | ·                                       |             | ,                              |                                      |   |                      | ├        | ╀        | -            | $oldsymbol{\perp}$                           | L       |             | T     | T   | t         | +        | ╁        | ╁        | +  | 4       | 1             | 1      | 4         |         |
|             |          |                          |  | -                | _                    | -                                       | -           |                                |                                      |   |                      | +        | +        | +            | $\perp$                                      | 1       |             | T     | $\top$  | 十         | +        | +        | +        | +  | $\perp$ | 4             | 4      | $\perp$   |         |
| <u></u>     |          | -                        |  | $\vdash$         | $\vdash$             | $\vdash$                                | +           |                                |                                      |   |                      | ╀        | +        | 4            | $\perp$                                      | $\perp$ | I           | 7     | $\dagger$   | $\dashv$  | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$   | _       | _             |        |           |         |
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|             |          | +                        |  | +                | -                    | +                                       | +           |                                |                                      |   |                      | +        | 4        | $\dashv$     |  |         |             |       | $\neg$  |           | -        |          | -        |  | _       | _             | _      |           | Π       |
| 1           |          | +                        | 1  | +                | +                    | +                                       | +           |                                |                                      |   |                      | $\dashv$ | $\dashv$ | 4            |  |         |             |       | $\neg$  | $\neg$    | $\dashv$ |          |          |  |         | _             |        | L         | Π       |
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| # £         | Sampl    | ling activ<br>lete sampl | The sampling activity displayed on this table represents the<br>The complete sample identification number (10 characters) wi | n this<br>n numb | s table<br>zer (10   | represen                                |             | first six char<br>appear on fi | acters of the se<br>eld guidence for | first six characters of the sample identification number. I appear on field guidance forms and sample labels. | ion number.<br>beis. |          |          | •            |  |         |             |       |   |           |          |          |          |  |         |               |        |           | 1       |
| ;           | ,        | į                        |  |                  |                      |   |             | •                              |                                      |   |                      |          |          |              | ņ  | Z.      | <br>-       | •••   |   |           |          |          |          |  |         |               |        |           |         |
| Ë           | ŧ        | An-241                   |  |                  |                      |   |             | <br>                           | ATT1: Indine-129                     |   |                      |          |          |              |  |         |             |       |   |           |          |          |          |  |         |               |        |           |         |
| AT2:        |          | Gross Alpha/Beta         | lets   |                  |                      | 1                                       |             | ATTZ                           | AT12: Uranium Isotopes               |   |                      |          |          |              | 180  | topic   | Pu is       | defir | Jactopic Pu is defined as Pu-218. Bu-210 and Bu-240                         | 2-14      | ā        | 8        | 1        | 5  |         |               |        |           | I       |
| AT3;        |          | Tc-99                    |  |                  |                      |   |             | ATS                            |                                      |   |                      |          |          |              | 2  | tool    | =           | 1     | Section of defined as 1-216 11-216 and 11-226                               | 71.       | 1 5      | ]        | 2 2      | į  |         |               |        |           | 1       |
| AT4;        |          | Mercury                  |  |                  |                      |   |             | . ATA.                         |                                      |   |                      |          |          |              | ğ  | 9       | ctron       | 2     | Gamma Specificantiv and lose seatons of Assessed Assessed                   |           |          |          |          |  | ١.      |               |        |           | 1       |
| ATS:        |          | Np-237                   |  |                  |                      |   |             | ATTS                           |                                      |   |                      |          |          |              | 1  | 1       | 25          | 200   | 5   | 2         |          |          |          |  |         |               | 1      |           | I       |
| AT6:        |          | Pu-241                   |  |                  |                      |   |             | ATIĞ                           |                                      |   |                      |          |          |              | ] }  | , and a |             |       | interior serior, person and serior shall be taken from a depth below the Hi | 3         | 20       |          | Take     | 5  | 8       | ž<br>S        | 5      | 휘         | 1       |
| AT7:        |          | Gamma Spectroscopy       | Scopy  |                  |                      | *************************************** |             | ATTA.                          |                                      |   |                      |          |          |              |  |         |             |       |   |           |          |          |          |  |         |               |        |           | 1       |
| AT8:        |          | Tritium                  |  |                  |                      | .                                       |             | ATTA                           |                                      |   |                      |          |          |              |  |         |             |       |   |           |          |          |          |  |         |               |        |           | I       |
| AT9:        |          | Strontium-90             |  |                  |                      |   |             | ATT9                           |                                      |   |                      |          |          |              |  |         |             |       |   | l         |          | l        |          |  |         | l             |        |           | I       |
| AT10:       |          | Pu Isotopes              |  |                  |                      |   |             | A720:                          |                                      |   |                      |          |          |              | 1 1  |         |             |       |   |           |          |          |          |  |         |               |        |           | I       |

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| Page 1 of 2   |  |  | AT10 AT11 AT12 AT13 AT14 AT15 AT16 AT17 AT18 AT19 AT20 | +  | +  | +  | +  | +  | +  | +  | +  | +  | +   | ╁   | +   | +  | +  | +  | +   |
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| Pag   | SWO Contact: J. D. JACKSON                                 |  | 1×   | _  | ╀  | ╀-   | 1_   | ╀—   | ╀  | ╀  | ╀  | lacksquare                                   | ╀   | <u> </u>                                      | _   | ╀  | ↓  | 1  | <u> </u>  |
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|   | <br>-::  |  | AT 16  |  |  |  |  |  |  |  |  |  |   |   |   |  |  |  |   |
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|   | Project Manager: C.J. ROBERTS                              | EXT  | V 91V  | ž  | -  | -  | -  | 1-   | 7  | F  | -  | -  | -   | -   | -   | -  | -  | -  | -   |
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| K CHENI   | .¥   |  | $\vdash$   |  | WELL N/                                    | FLL N/I                                      | ELL N/                                       | KETT N/A                                     | ELL N/A  | ELL N/A                                      | KELL N/A                                     | ELL N/A                                      | RELL N/A                                      | RELE N/A                                      | RELL N/A                                      | ELL COM                                      | ELL COM                                      | ELL COM                                      | ELL N/A   |
| E FOR CHEMI   | TON AND NA   | _  | $\vdash$   |  | THE WELL N/                                | THE METE N/I                                 | ING WELL N/                                  | THE WELL N/A                                 | ING WELL N/A                                   | ING WELL N/A                                 | THG WELL N/A                                 | ING WELL N/A                                 | ING WELL N/A                                  | ING WELL N/A                                  | ING WELL N/A                                  | ING WELL COM                                 | ING TELL COM                                 | ING WELL COM                                 | ING WELL N/A                                    |
| TABLE FOR CHEM!   | PERATION AND NA  | ATION  | $\vdash$   | LOCATION   | HITORING WELL N/                           | NITORING WELL N//                            | HITORING WELL N/A                            | HITORING WELL N/A                            | VITORING WELL N/A                              | HTORING WELL N/A                             | HTORING WELL N/A                             | HTORING WELL N/A                             | ITORING WELL N/A                              | ITORING VELL N/A                              | HTORING WELL N/A                              | IITORING WELL COM                            | IITORING VELL COM                            | ITORING WELL COM                             | ITORING WELL N/A                                |
| PLAN TABLE FOR CHEMI  | 5 OPERATION AND NA   | LOCATION   | $\vdash$   |  | MONITORING WELL N/A                        | MONITORING WELL N/A                          | HONITORING WELL N/A                          | MONITORING WELL N/A                          | HONITORING SELL N/A                            | MONITORING WELL N/A                          | MONITORING WELL N/A                          | MONITORING WELL N/A                          | MONITORING WELL N/A                           | MONITORING WELL N/A                           | MONITORING WELL N/A                           | HONITORING WELL COMMENT                      | MONITORING WELL COMMENT                      | MONITORING WELL COMMENT                      | MONITORING WELL N/A                             |
| AND ANALYSIS PLAN TABLE FOR CHEMI                                       | WAG 3 GROUP 5 OPERATION AND MAINTENANCE - ROUND 8 (ANNUAL) | SAMPLE LOCATION                                  | $\vdash$   |  |  |  |  |  |  |  |  |  |   |   |   |  |  |  |   |
| LING AND ANALYSIS PLAN TABLE FOR CHEMI                                  | ı  | SAMPLE LOCATION                                  | $\vdash$   | LOCATION   | MA-18 MONITORING WELL M//                  | USGS-40 MONITORING WELL N/A                  | USGS-42 MONITORING WELL N/A                  | USGS-47 MCMITORING MELL N/A                  | USGS-48 MONITORING WELL N/A                    | USGS-49 MONITORING WELL N/A                  | USGS-51 MONITORING WELL N/A                  | USGS-52 MONITORING WELL N/A                  | USGS-121 MONITORING WELL N/A                  | USGS-122 NONITORING WELL N/A                  | USGS-123 MONITORING WELL N/A                  | USGS-41 HONITORING WELL COM                  | USGS-48 MONITORING WELL COM                  | USGS-59 NONITORING WELL COM                  | LF3-08 MONITORING WELL N/A                      |
| SAMPLING AND ANALYSIS PLAN TABLE FOR CHEMICAL AND RADIOLOGICAL ANALYSIS | Project: WAG 3 GROUP 5 OPERATION AND WAI                   | SAMPLE LOCATION                                  | $\vdash$   | LOCATION   | TEC MA-18                                  | EC USGS-40                                   | TEC USGS-42                                  | TEC USGS-47                                  | TEC USGS-48                                    | FC USGS-49                                   | USGS-51                                      | USGS-52                                      | USGS-121                                      | TEC USGS-122                                  | EC USGS-123                                   | USGS-41                                      | 87-S5SN                                      | USGS-59                                      | LF3-08  |
| SAMPLING AND ANALYSIS PLAN TABLE FOR CHEMI                              | ı  | SAMPLE LOCATION                                  | 30 30 10 10 10 10 10 10 10 10 10 10 10 10 10           | AREA LOCATION LOCATION                             | TEC MA-18                                  | EC USGS-40                                   | TEC USGS-42                                  | TEC USGS-47                                  | TEC USGS-48                                    | FC USGS-49                                   | USGS-51                                      | USGS-52                                      | USGS-121                                      | TEC USGS-122                                  | EC USGS-123                                   | USGS-41                                      | 87-S5SN                                      | USGS-59                                      | LF3-08  |
| SAMPLING AND ANALYSIS PLAN TABLE FOR CHEMI                              | Project:   | SAMPLE LOCATION                                  | 30 30 10 10 10 10 10 10 10 10 10 10 10 10 10           | AREA LOCATION LOCATION                             | MJ-18                                      | USGS-40                                      | 13cs-42                                      | 75-85SN                                      | USG\$-48                                       | 05GS-49                                      |  |  |   | USGS-122                                      | uses-123                                      |  |  |  |   |
| SAMPLING AND ANALYSIS PLAN TABLE FOR CHEMI                              | 0.0 Project:   | SAMPLE LOCATION                                  | 30 30 10 10 10 10 10 10 10 10 10 10 10 10 10           | AREA LOCATION LOCATION                             | 06/01/07 INTEC MM-18                       | 06/01/07 INTEC USGS-40                       | 06/01/07 INTEC USGS-42                       | 06/01/07 INTEC USGS-47                       | TEC USGS-48                                    | 06/01/07 INTEC USGS-49                       | 06/01/07 INTEC USGS-51                       | 06/01/07 INTEC USGS-52                       | 06/01/07 INTEC USGS-121                       | 06/01/07 INTEC USGS-122                       | 06/01/07 INTEC USGS-123                       | 06/01/07 INTEC USGS-41                       | 06/01/07 INTEC USGS-48                       | 06/01/07 INTEC USGS-59                       | 06/01/07 INTEC LF3-08                           |
|   | Revision: 0.0 Project:                                     | SAMPLE LOCATION                                  | 30 30 10 10 10 10 10 10 10 10 10 10 10 10 10           | LOCATION LOCATION                                  | TEC MA-18                                  | EC USGS-40                                   | TEC USGS-42                                  | TEC USGS-47                                  | TEC USGS-48                                    | FC USGS-49                                   | USGS-51                                      | USGS-52                                      | USGS-121                                      | TEC USGS-122                                  | EC USGS-123                                   | 06/01/07 INTEC USGS-41                       | 87-S5SN                                      | USGS-59                                      | 06/01/07 INTEC LF3-08                           |
|   | Revision: 0.0 Project:                                     |  | 30 30 10 10 10 10 10 10 10 10 10 10 10 10 10           | AREA LOCATION LOCATION                             | GRAS 06/01/07 INTEC MM-18                  | GRAB 06/01/07 INTEC USGS-40                  | GRAB 06/01/07 INTEC USGS-42                  | GRAB 06/01/07 1NTEC USGS-47                  | DUP 06/01/07 1NTEC USGS-48                     | GRAB 06/01/07 INTEC USGS-49                  | GRAB 06/01/07 INTEC USGS-51                  | GRAB 06/01/07 INTEC USGS-52                  | GRAB 06/01/07 INTEC USGS-121                  | GRAB 06/01/07 INTEC USGS-122                  | GRAB 06/01/07 INTEC USGS-123                  | GRAB 06/01/07 1NTEC USGS-41                  | GRAB 06/01/07 INTEC USGS-48                  | GRAB 06/01/07 1NTEC USGS-59                  | GRAB 06/01/07 INTEC LF3-08                      |
|   | Revision: 0.0 Project:                                     |  | 30 30 10 10 10 10 10 10 10 10 10 10 10 10 10           | AREA LOCATION LOCATION                             | GRAS 06/01/07 INTEC MM-18                  | GRAB 06/01/07 INTEC USGS-40                  | GRAB 06/01/07 INTEC USGS-42                  | GRAB 06/01/07 1NTEC USGS-47                  | DUP 06/01/07 1NTEC USGS-48                     | GRAB 06/01/07 INTEC USGS-49                  | GRAB 06/01/07 INTEC USGS-51                  | GRAB 06/01/07 INTEC USGS-52                  | GRAB 06/01/07 INTEC USGS-121                  | GRAB 06/01/07 INTEC USGS-122                  | GRAB 06/01/07 INTEC USGS-123                  | GRAB 06/01/07 1NTEC USGS-41                  | GRAB 06/01/07 INTEC USGS-48                  | GRAB 06/01/07 1NTEC USGS-59                  | GRAB 06/01/07 INTEC LF3-08                      |
|   | Revision: 0.0 Project:                                     |  | COLL SAMPLING PLANKED                                  | TYPE METHOD DATE AREA LOCATION LOCATION            | GRAS 06/01/07 INTEC MM-18                  | GRAB 06/01/07 INTEC USGS-40                  | GRAB 06/01/07 INTEC USGS-42                  | GRAB 06/01/07 1NTEC USGS-47                  | DUP 06/01/07 1NTEC USGS-48                     | GRAB 06/01/07 INTEC USGS-49                  | GRAB 06/01/07 INTEC USGS-51                  | GRAB 06/01/07 INTEC USGS-52                  | GRAB 06/01/07 INTEC USGS-121                  | GRAB 06/01/07 INTEC USGS-122                  | GRAB 06/01/07 INTEC USGS-123                  | GRAB 06/01/07 1NTEC USGS-41                  | GRAB 06/01/07 INTEC USGS-48                  | GRAB 06/01/07 1NTEC USGS-59                  | GRAB 06/01/07 INTEC LF3-08                      |
|   | Revision: 0.0 Project:                                     |  | COLL SAMPLING PLANKED                                  | TYPE METHOD DATE AREA LOCATION LOCATION            | 06/01/07 INTEC MM-18                       | 06/01/07 INTEC USGS-40                       | 06/01/07 INTEC USGS-42                       | 06/01/07 INTEC USGS-47                       | DUP 06/01/07 1NTEC USGS-48                     | 06/01/07 INTEC USGS-49                       | 06/01/07 INTEC USGS-51                       | 06/01/07 INTEC USGS-52                       | 06/01/07 INTEC USGS-121                       | 06/01/07 INTEC USGS-122                       | 06/01/07 INTEC USGS-123                       | 06/01/07 INTEC USGS-41                       | 06/01/07 INTEC USGS-48                       | 06/01/07 INTEC USGS-59                       | 06/01/07 INTEC LF3-08                           |
|   | Revision: 0.0 Project:                                     | SAMPLE DESCRIPTION                               | COLL SAMPLING PLANKED                                  | TYPE METHOD DATE AREA LOCATION LOCATION            | GROUND WATER GRAB 06/01/07 INTEC MM-18     | GROUND MATER GRAB 06/01/07 INTEC USGS-40     | GROUND MATER GRAB (06/01/07) INTEC USGS-42   | GROUND MATER GRAB   06/01/07 INTEC USGS-47   | DUP 06/01/07 1NTEC USGS-48                     | GROUND WATER GRAB 06/01/07 INTEC USGS-49     | GROUND LATER GRAB 06/01/07 INTEC USGS-51     | GROUND NATER GRAB 06/01/07 INTEC USGS-52     | GROUND WATER GRAB 06/01/07 INTEC USSS-121     | GROUND LATER GRAB 06/01/07 INTEC USGS-122     | GROUND WATER GRAB 06/01/07 INTEC USGS-123     | GROUND WATER GRAB 06/01/07 INTEC USGS-61     | GROUND MATER GRAB 06/01/07 INTEC USGS-48     | GROUND WATER GRAB 06/01/07 INTEC USGS-59     | GROLMO WATER   GRAB   86/01/07   14TEC   1F3-08 |
|   | Revision: 0.0 Project:                                     |  | COUL SAMPL MG PLANNED                                  | TYPE MEDIA TYPE METHOD DATE AREA LOCATION LOCATION | REG GROUND WATER GRAB 06/01/07 INTEC MM-18 | REG GROUND WATER GRAB 06/01/07 INTEC USGS-40 | REG GROUND WATER GRAB 06/01/07 INTEC USGS-42 | REG GROUND WATER GRAB 06/01/07 INTEC USGS-47 | REG/GC GROUND WATER DUP 06/01/07 INTEC USGS-48 | REG GROUND WATER GRAB 06/01/07 INTEC USGS-49 | REG GROUND LATER GRAB 06/01/07 INTEC USGS-51 | REG GROUND WATER GRAB 06/01/07 INTEC USGS-52 | REG GROUND WATER GRAB 06/01/07 INTEC USGS-121 | REG GROUND MATER GRAB 06/01/07 INTEC USGS-122 | REG GROUND WATER GRAB 06/01/07 INTEC USGS-123 | REG GROUND WATER GRAB Q6/01/07 INTEC USGS-41 | REG GROUND WATER GRAB 06/01/07 INTEC USGS-48 | REG GROUND WATER GRAB 06/01/07 HITEC USGS-59 | REG GROUND WATER GRAB 06/01/07 INTEC LF3-08     |
| SAMPLING AND ANALYSIS PLAN TABLE FOR CHEMI<br>SAP Number:               | Revision: 0.0 Project:                                     |  | COUL SAMPL MG PLANNED                                  | TYPE METHOD DATE AREA LOCATION LOCATION            | GROUND WATER GRAB 06/01/07 INTEC MM-18     | GROUND MATER GRAB 06/01/07 INTEC USGS-40     | GROUND MATER GRAB (06/01/07) INTEC USGS-42   | GROUND MATER GRAB   06/01/07 INTEC USGS-47   | DUP 06/01/07 1NTEC USGS-48                     | GROUND WATER GRAB 06/01/07 INTEC USGS-49     | GROUND LATER GRAB 06/01/07 INTEC USGS-51     | GROUND NATER GRAB 06/01/07 INTEC USGS-52     | GROUND WATER GRAB 06/01/07 INTEC USSS-121     | GROUND LATER GRAB 06/01/07 INTEC USGS-122     | GROUND WATER GRAB 06/01/07 INTEC USGS-123     | GROUND WATER GRAB 06/01/07 INTEC USGS-61     | GROUND MATER GRAB 06/01/07 INTEC USGS-48     | GROUND WATER GRAB 06/01/07 INTEC USGS-59     | GROLMO WATER   GRAB   86/01/07   14TEC   1F3-08 |

The sampling activity displayed on this table represents the first six characters of the sample identification number. The complete sample identification number (10 characters) will appear on field guidance forms and sample labels.

|                         |                        | 9  |
|-------------------------|------------------------|--|
| AT1: Am-241             | AT11: Jodine-129       |  |
| ATZ: Gross Alpha/Beta   | AT12: Uranium isotopes | Isotopic Pu is defined as Pu-238, Pu-239 and Pu-240.                       |
| A13: Tc-99              | A713:                  | Isotopic U is defined as U-234, U-235 and U-238.                           |
| AT4: Nereury            | A714:                  | Germa Spectrometry enalysis isotope of concern fa-137                      |
| ATS: Hp-237             | AT15:                  | Samples 504611, 504612 and 504613 shell be taken from a death helps the un |
| AT6: Pu-241             | AT16:                  | interbed.  |
| A17: Gamma Spectroscopy | A717:                  |  |
| ATB: Iritium            | AT18:                  |  |
| A19: Strontlun-90       | A119:                  |  |
| A710: Pu isotopes       | ATZ0:                  |  |
|                         |                        |  |

| SAMPLE DESCRIPTION  TYPE   MEDIA   TYPE   METHOD   DATE    REG GROUND WATER GRAB   06/01/07    REG GRO | SAMPLE LOCATION                                   | THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN THE PERSON NAMED |           | 3               | 5    | (MUAL)       |  | iect          | Profect Managers 1 1 sparets |             | 2       | 2020   |              |            |           |  |               |          |         |
|--|---|--|-----------|-----------------|------|--------------|--|---------------|------------------------------|-------------|---------|--|--------------|------------|-----------|--|---------------|----------|---------|
| SAMPLING         SAMPLING         SAMPLING         SAMPLING         PLANKED           504415         REG         GROUND WATER         GRAB         06/01/07           504416         REG         GROUND WATER         GRAB         06/01/07           504418         REG         GROUND WATER         GRAB         06/01/07           504418         REG         GROUND WATER         GRAB         06/01/07           504419         REG         GROUND WATER         GRAB         06/01/07           504420         QC         WATER         RRST         06/01/07           60422         RRST         06/01/07         06/01/07           60432         RRST         06/01/07           60433         RRST         06/01/07           60433         RRST         06/01/07           60433         RRST         06/01/07           60433   |   | OCATION  |           |                 |      |              | 1  |               | in in                        |             | 2       | EXIS   |              | 1          | 2<br>2    | SMD Contact:   | J. D. JACKSON | N.       | SO      |
| SOW415   TYPE   MEDIA   TYPE   METHOD   DATE   |   |  |           | -               | L    |              |  |               |                              | SIS         |         | ENIER ANALYSIS TYPES (AT) AND QUANTITY REQUESTED | 8            |            | REG       | ESTED  |               |          |         |
| SOW415         REG         GROUND WATER         GRAB         06/01/07           SOW416         REG         GROUND WATER         GRAB         06/01/07           SOW417         REG         GROUND WATER         GRAB         06/01/07           SOW419         REG         GROUND WATER         GRAB         06/01/07           SOW420         OC         WATER         RNST         06/01/07           SOW421         GRAPS         Inchested on this table represents the complete sample identification number (10 characters) will be complete sample identification number (10 characters) will be completed by completed sample identification number (10 characters) will be completed by completed   | AREA LOCATION                                     | TYPE OF D  | DEPTH     | ATT ATZ AT3 AT4 | A 13 | AT4          | •  | ٧<br>9        | <u> </u>                     | × 8         | =       | O VII  | ATTZ         | AT13       | AT14      | AT6 AT7 AT8 AT9 AT10 AT11 AT12 AT13 AT14 AT15 AT16 AT17 AT18 AT19 AT20 | 116 AT        | 7 AT     | 8 AT    |
| SOW416         REG         GROUND WATER         GRAB         06/01/07           SOW418         REG         GROUND WATER         GRAB         06/01/07           SOW420         GC         WATER         GRAB         06/01/07           SOW420         GC         WATER         GRAD         06/01/07           GOW420         GC         WATER         06/01/07         06/01/07  | USGS-57   | 1  |           | 2               | 5    | 2            | ٤  | 2             | 2                            | 2<br>2<br>2 | *       | =  | 3            |            |           |  | -             | L        | L       |
| SOM417   REG   GROUND WATER   GRAB   06/01/07  |   | יייייייייייייייייייייייייייייייייייייי   |           | +               | _    | -            | -  | =             | =                            | _           | -       |  | -            |            |           | $\vdash$   | $\vdash$      | -        | L       |
| SOM418   REG GROUND WATER GRAB   O6/01/07  | 1   | MALIURING WELL N/A   |           | -               | -    | -            |  |               | _                            | -           | _       | -  | -            |            |           | $\vdash$   | $\vdash$      | $\vdash$ | 1       |
| SOW420   REG GROUND WATER GRAB   06/01/07  | USGS-112  | MONITORING WELL N/A  | _         | -               | _    | -            | -  | -             | -                            | -           | Ľ       | ľ  | Ŀ            | I          | T         | $\dagger$  | +             | 4        | 4       |
| SOW420   QC   UATER   RMST   O6/01/07    SOW420   QC   UATER   RMST   O6/01/07    O6/01/   | USGS-113  | MONITORING WELL M/A  |           | 1-              | 1    | •            | †  | +             | +                            | - -         | -       | 4  | -            |            | 7         | +  | $\dashv$      | _        | _       |
| SGM420 GC WATER RNST 06/01/07  sampling activity displayed on this table represents the complete sample identification number (10 characters) will Mm-241  Gross Albha/Beta  1c-99  Mercury  Mg-237  Pu-241  Gemme Spectroscopy  | 18-sp\$n  | MONITORING UFLI W/A  | 1         | -               | 1    | -]           | +  | ᆉ.            | -                            | +           | +       | -  | -            |            | 7         | $\dashv$   | $\dashv$      |          |         |
| Sampling activity displayed on this table represents the complete sample identification number (10 characters) vil Mar-241  Gross Albha/Beta 1c-99 Mercury Mercury 1c-99 Pu-241 Gemme Spectroscopy   |   |  | 1         | +               | 1    | -            | =  | _             |                              | -           | _       | -  | -            |            |           |  | _             | _        | L       |
| sampling activity displayed on this table represents the complete sample identification number (10 characters) vil Mar-241  Gross Albha/Beta  1c-99  Nercury  Mg-277  Pu-241  Gamme Spectroscopy   |   | EQUIPMET RINSTE N/A  | 1         | _               | -    | -            | -  | _             | _                            | -           | _       | -  | -            | T          | T         | +  | +             | $\perp$  | 1       |
| sampling activity displayed on this table represents the complete sample identification number (10 characters) will Am-241 Gross Alpha/Seta 1c-99 Nercury ND-277 Pu-241 Gamma Spectroscopy   |   |  |           |                 |      |              | -  | -             | _                            | -           | L       | L  | L            | T          | †         | +  | +             | $\bot$   | $\perp$ |
| sampling activity displayed on this table represents the complete sample identification number (10 characters) will Am-241 Gross Alpha/Seta 1c-99 Nercury Nercury Pu-241 Gamma Spectroscopy  |   |  |           | L               | L    |              | f  | H             | ╀                            | ╀           | Ļ       | ļ  | I            | T          | $\dagger$ | +  | +             | 4        | _       |
| sampling activity displayed on this table represents the complete sample identification number (10 characters) will Mm-241  Gross Alpha/Seta  1c-99  Nercury  Ne-277  Pu-241  Gamma Spectroscopy   |   |  | t         | +               |      | T            | $\dagger$  | +             | +                            | +           | 4       | 1  |              | 1          | 7         | $\dashv$   | $\dashv$      | _        |         |
| sampling activity displayed on this table represents the complete sample identification number (10 characters) wilk Mm-241  Gross Alpha/Seta  1c-99  Nercury  Nercury  1c-99  Pu-241  Gamme Spectroscopy   |   | $\frac{1}{1}$  | $\dagger$ | 4               |      | 7            | +  | +             | 4                            | 4           |         |  |              | -          |           |  |               | _        |         |
| sampling activity displayed on this table represents the complete sample identification number (10 characters) wilking Mar-241  Gross Alpha/Seta  1c-99  Nercury  Nercury  Gamme Spectroscopy  |   |  | 1         | $\dashv$        |      |              |  |               |                              |             |         |  |              | ┢          | $\vdash$  | ┝  | $\vdash$      | L        | L       |
| sampling activity displayed on this table represents the complete sample identification number (10 characters) will Am-241 Gross Alpha/Seta  1c-99 Mp-237 Pu-241 Gamma Spectroscopy  |   |  |           |                 |      |              | $\vdash$   | -             | <u> </u>                     | L           | L       |  | Τ            | T          | $\dagger$ | +  | +             | $\perp$  | $\perp$ |
| sampling activity displayed on this table represents the complete sample identification number (10 characters) wil An-241 Gross Alpha/Seta  1c-99 Mp-237 Pu-241 Gamma Spectroscopy   |   |  |           |                 |      | T            | $\vdash$   | ┞             | Ļ                            | L           | L       | L  | T            | t          | $\dagger$ | +  | 1             | $\perp$  | $\perp$ |
| sampling activity displayed on this table represents the complete sample identification number (10 charactars) wil An-241 Gross Alpha/Seta  1c-99 Mp-237 Pu-241 Gamma Spectroscopy   |   |  | H         | L               |      | T            | $\dagger$  | +             | Ţ                            | 1           | $\perp$ | I  | †            | $\dagger$  | $\dagger$ | +  | 4             |          |         |
| sampling activity displayed on this table represents the complete sample identification number (10 characters) will grass Alpha/Beta  1c-90  Nercury  Nercury  Gamma Spectroscopy  |   |  | $\dagger$ | I               | T    | $\dagger$    | +  | +             | 4                            | $\perp$     | $\perp$ |  | 7            | 1          | 1         | -  |               |          |         |
| sampling activity displayed on this table represents the complete sample identification number (10 characters) will Gross Alpha/Geta  7c-99  Mercury  Np-27  Pu-24  Gamma Spectroscopy   |   |  | $\dagger$ | Ţ               | T    | +            | +  | $\dashv$      | 4                            | 1           |         |  | 7            | $\dashv$   | $\dashv$  | -  |               |          |         |
| Ame 241 Gross Alpha/Geta 1c-99 Nercury No-277 Pu-241 Gamma Spectroscopy  | six characters of the same                        | ile identification r   | 1         | ]               | 7    | 1            | $\dashv$   | 4             | 4                            |             |         |  | 7            | $\dashv$   | $\dashv$  | -  |               |          |         |
|  | eppear on field guidance forms and sample labels. | and sample labels.   |           |                 |      |              | ;  |               |                              |             |         |  |              |            |           |  |               |          |         |
|  | AT11: 10dine-120                                  |  |           |                 |      | ٠.           | 2<br>2<br>3  | S - Z U Z Z C | <b>5</b> 7                   |             |         |  |              |            |           |  |               |          |         |
|  | AT12. Hearing Jack                                |  |           |                 |      | Ť            |  |               |                              |             |         | 1  | -            |            |           |  |               |          |         |
|  | AT-12.  |  |           |                 | 1    | <del>-</del> | Isotopic Pu is defined as Pu-238, Pu-239 and Pu-240.                       | 2             | 8                            | ned .       | 2       | 238  | 1-23<br>1-23 |            | V-240     |  |               |          |         |
|  |   |  |           |                 |      | _            | Isotopic U is defined as U-234, U-235 and U-238.                           | 5             | ger.                         | Ped         | 0-23    | 7  | 35           | 22-11      | 90        |  |               |          |         |
|  | At 19:  |  |           |                 | -    | 1            | Gamma Spectrometry analysis isotope of concern Cs-137.                     | pectro        | let<br>Z                     | S S         | 8 8     | Sotope   | o de         | ncern      | £9-£      | 7.   |               |          |         |
|  | M13:  |  |           |                 |      | -            | Samples 504411, 504412 and 504413 shall be taken from a depth below the MI | 50441         | Š                            | 1412 8      | nd 50   | 1413 s   | Hall         | tak<br>tak | en fro    | 8 0  | oth be        | low t    | =       |
|  | AT17:   |  |           |                 |      | -            | Interbed,  |               | 1                            |             |         |  |              |            |           |  |               |          |         |
|  | ATTB:   |  |           |                 |      | <u>'</u>     |  |               | 1                            |             |         |  | 1            |            | -         |  | ı             |          |         |
| A79: Strontlum-90  | A719:   |  |           |                 |      | <del>'</del> |  |               |                              |             |         |  |              |            |           |  | -             |          |         |
| A110: Pu Isotopes  |   |  |           |                 |      | _            |  |               |                              |             |         |  |              |            |           |  |               |          |         |

| Plan Table                   | Mumber           | Pian Table Number: WAG3GROUP5(RDB)  | 8        |                     |                       | SAMPLING                                  | AND ANALYSIS PI                    | SAMPLING AND ANALYSIS PLAM TABLE FOR CHENICAL AND RADIOLOGICAL ANALYSIS  | YICAL AND R | AD IOL        | BICAL    | AWALY    | SIS       |           |       |          |                               |          |  |       |        |                            |            | a.       |           | Page 2 of 2  | FV          |
|------------------------------|------------------|---|----------|---------------------|-----------------------|---|------------------------------------|--|-------------|---------------|----------|----------|-----------|-----------|-------|----------|-------------------------------|----------|--|-------|--------|----------------------------|------------|----------|-----------|--------------|-------------|
| Date: 07                     | 02/20/00         | Plan Table Revision:  | ie Re    | -                   | 0.0                   | Project:                                  |                                    | WAG 3 GROUP 5 OPERATION AND MAINTENANCE - ROUND 8 (ANNUAL)   | LINTENANCE  | 2             | 80<br>20 | UNION    |           | rojec     | t Man | ger:     | Project Manager: C.J. ROBERTS | BERTS    |  | ••    | 2<br>2 | SWO Contact: J. D. JACKSON | - <b>;</b> | , X      | XSQ¥      | i            | 4           |
|                              | ळ                | SAMPLE DESCRIPTION  | ₹        |                     |                       |   | SAMPLE                             | SAMPLE LOCATION  |             |               |          |          |           | 盂         | TER A | MLYSI    | TYPES                         | 3        | ENTER ANALYSIS TYPES (AT) AND QUANTITY REQUESTED                       | ETIM  | REG    | ESTED                      |            |          |           |              | -           |
| SAMPLING                     | SAMPLE           |   | 8        | L SAMPLING          | PLANED                |   |                                    | TYPE OF  | T           | AT1 AT        | AT2 AT3  | 3 ATA    | AT4 ATS   | AT6       | 717   | A18      | II 6II                        | P        | AT6 AT7 AT8 AT9 AT10 AT11 AT12 AT13 AT14 AT15 AT16 AT17 AT18 AT19 AT20 | E MAT | ATTA   | AT 15                      | 116        | 177      | 118<br>11 | 19 ATZ       | 0           |
| ACTIVITY                     | TYPE             | MEDIA   | Ε        | TYPE METHOD DATE    | DATE                  | AREA                                      | LOCATION                           | LOCATION   | į£          | *             | AB EA    | ₽        | <u>\$</u> |           | ž     | 2        | 2                             | #<br>#   | 3  |       | Γ      | T                          | T          | $\vdash$ | ╁         | ╀            | 1           |
| 504415                       | REG              | GROUND WATER  | GRAS     | 8                   | 06/01/07 INTEC        |   | USGS-57                            | HONITORING WELL N/A  | <u>\$</u>   | -             | -        | -        | Ľ         | 1         | E     | -        | -                             | +        | 1  |       |        | T                          | T          | ╁        | ╁         | ╀            | 1           |
| 50#416                       | REG              | GROUND WATER  | GRAB     | 9                   | 1 20/10/90            | NTEC                                      | 79-s5sn                            | MONITORING WELL N/A  | <b>*</b>    | -             | -        | -        | 上         | <u> -</u> | -     | -        | -                             | +        | <u> </u>   |       | T      | 十                          | T          | ╁        | ╁         | +            | 1           |
| 50H417                       | SEC.             | GROUND WATER  | GRAB     | 9                   | 1 70/10/90            | NTEC                                      | USGS-112                           | MONITORING WELL N/A  | <b>V</b> .  | -             | -        | <u> </u> | 上         | 上         | -     | -        | -                             | -        | E  |       | T      | T                          | 十          | +        | ╁         | ╀            | $\top$      |
| 50H418                       | REG              | GROUND WATER  | GRAB     | 9                   | 1 /0/10/90            | NTEC                                      | JSGS-113                           | HONITORING WELL N/A  | <b>V</b> I  | -             | -        | -        | 上         | 1-        | E     | -        | -                             | -        | -  |       |        | T                          | $\dagger$  | +        | ╀         | ╀            | 7           |
| 50HK19                       | ÆG               | GROUND WATER  | GRAB     | 9                   | 06/01/07              | NTEC                                      | 1565-85                            | NONITORING WELL   M/A  | <b>*</b>    | -             | =        | -        | 上         | <u> -</u> | F     | -        | <del> -</del>                 | -        | -  | L     | 1      | 1                          | †          | +        | +         | +            | T           |
| 50M420                       | မွ               | WATER   | RNST     | žt.                 | 1 20/10/90            | NTEC                                      | 98                                 | EQUIPMET RINSTE N/A  | ×           | -             | +        | 1        | -         | -         | E     | 1-       | -                             | -        | <u> -</u>  | L     | T      | T                          | $\dagger$  | +        | ╁         | +            | T           |
|                              |                  |   |          |                     |                       |   |                                    |  |             | <del> </del>  | ļ        | _        | <u> </u>  |           |       | T        | $\vdash$                      | -        | _  |       | 1      | T                          | $\dagger$  | ╁        | ╁         | +            | 1           |
|                              |                  |   |          |                     |                       |   |                                    |  |             | <del> -</del> | $\vdash$ | <u> </u> | _         |           |       |          | $\vdash$                      | $\vdash$ | $\vdash$   |       | T      | T                          | t          | ╁        | ╁         | +            | 7           |
|                              |                  |   |          |                     |                       |   |                                    |  |             |               | -        | <u> </u> | L         |           |       | T        | $\vdash$                      | ├-       | $\vdash$   |       | †      | T                          | +          | ╁╴       | ╁         | $\downarrow$ |             |
|                              |                  |   | _        |                     |                       |   |                                    |  |             |               | $\vdash$ | <u> </u> | _         |           |       |          | $\vdash$                      | ├-       | _  |       | T      | ╁                          | $\vdash$   | $\vdash$ | ╁         | +            |             |
|                              | _                |   |          | _                   |                       |   |                                    |  |             | $\vdash$      |          | _        |           |           |       |          | -                             | -        | _  |       | T      | $\vdash$                   | $\vdash$   | ╁        | $\vdash$  | 1            | <del></del> |
|                              | _                |   | $\dashv$ | _                   |                       |   |                                    |  |             |               | $\vdash$ |          |           |           |       | П        | $\vdash$                      | $\vdash$ | _  |       |        | $\vdash$                   | $\vdash$   | ╁╴       | $\vdash$  | ╀            | T           |
|                              | _                |   | -        | $\downarrow$        |                       |   |                                    |  |             | $\dashv$      | -        |          |           |           |       | -        |                               |          |  |       |        | $\vdash$                   | -          | $\vdash$ | -         | lacksquare   | 1           |
|                              |                  |   | $\dashv$ | _                   |                       |   |                                    |  |             | $\dashv$      |          |          |           |           |       |          |                               |          | Ш  |       |        |                            |            |          | -         | <u> </u>     | T-          |
|                              |                  |   | _        |                     |                       |   |                                    |  |             | $\dashv$      | $\dashv$ | _        |           |           |       | $\dashv$ |                               | $\dashv$ |  |       |        |                            |            |          | -         | _            | 1           |
| The sampling<br>The complete | activi<br>sample | The sampling activity displayed on this table represents the The complete sample identification number (10 cheracters) will | th de s  | table reper (10 cha | resents t<br>racters) | he first six chara<br>Will appear on fiel | cters of the sa<br>ld guidance fon | first six characters of the sample (dentification number.<br>I appear on field guidance forms and sample labels. | on number.  | •             |          |          | •         | :         | •     |          |                               |          |  | •     |        |                            |            |          |           |              | 1           |

|       |                    |                         | りっておもこう  |
|-------|--------------------|-------------------------|--|
| ATT:  | An-241             | AT11: <u>Iodine-129</u> |  |
| AT2:  | Gross Alphe/Seta   | A112: Uranium Isotopes  | Isotopic Pu is defined as Pu-238. Pu-239 and Pu-240.                 |
| AT3:  | : Tc-99            | A713:                   | Isotopic U is defined as U-234, U-235 and U-238                      |
| AT4:  | : Mercury          | AT14:                   | Gama Spectrometry analysis isotope of comenn fa-117                  |
| ATS:  | : Vp-237           | A15:                    | Samiles 508411. 508412 and 508413 shall be taken form a donet had at |
| AT6:  | : Pu-241           | AT16:                   | interbel.  |
| AT7:  | Genna Spectroscopy | A117:                   |  |
| ATB:  | : Tritium          | A718:                   |  |
| AT9:  | : Strontium-90     | A719:                   |  |
| AT10: | Pu (sotopes        | A120;                   |  |

Page 1 of 2 ATT ATZ ATS ATS ATS ATS AT AT8 AT9 AT10 AT11 AT12 AT13 AT18 AT15 AT16 AT17 AT18 AT19 AT20 Samples 504461, 504462 and 504463 shall be taken from a depth below the HI SMD Contact: J.D. JACKSON ENTER ANALYSIS TYPES (AT) AND QUANTITY REQUESTED Gamma Spectrometry analysis isotope of concern Cs-137, Isotopic Pu is defined as Pu-238, Pu-239 and Pu-240. Isotopic U is defined as U-234, U-235 and U-238. ~ Project: WAG 3 GROUP 5 OPERATION AND MAINTENANCE - ROUND 9 (BIANNUAL) Project Manager: C.J. ROBERTS 88 2 5 一定出ままり3 ž ₽ P interbed. 2 SAMPLING AND ANALYSIS PLAN TABLE FOR CHEMICAL AND RADIOLOGICAL ANALYSIS 물 7 ដ \* N ~ The sampling activity displayed on this table represents the first six characters of the sample identification number. The complete sample identification number (10 characters) will appear on field guidance forms and sample labels. OEPTH (ft) HONITORING WELL COMMENT HONITORING WELL COMMENT HONITORING WELL COMMENT MONITORING WELL N/A MONITORING WELL N/A MONITORING WELL N/A MONITORING WELL N/A HONITORING WELL M/A MONITORING WELL N/A MONITORING WELL N/A MONITORING WELL | M/A HONITORING WELL N/A MONITORING WELL N/A MONITORING WELL N/A HONITORING WELL N/A TYPE OF LOCATION SAMPLE LOCATION AT12: Uranium Isotopes LOCATION ATT1: Lodine-129 USGS-122 USGS-121 USGS-123 USGS-40 USGS-52 **77-8090** 24-S5SN USGS-48 USGS-49 USGS-51 USGS-41 84-S5SN USGS-59 LF3-08 AT14: ATTS: AT16: AT17: AT13: AT18: AREA 06/01/09 INTEC COLL SAMPLING PLANNED
TYPE NETHOD DATE Plan Table Revision: 0.0 GRAB 훒 Plan Table Number: WAG3GROUP5(RD9) SAP Number: Date: 07/20/00 Plan Table F SAMPLE DESCRIPTION GROUND WATER GROUND WATER GROUND WATER GROUND WATER GROUND WATER REG/GC GROUND NATER GROUND MATER GROUND WATER GROUND MATER HED 1A Garms Spectroscopy Gross Alpha/Beta REG 200 2 200 25 **REG** REG 5 REG **2**EG REG REG 998 2 Iritim Hercury Hp-237 Pu-241 Am-241 10.99 504451 50M556 50H450 504452 504453 504454 50M455 50#458 SOM460 504461 504457 504459 50H462 504463 **SON464** AT3: AT2: AT4: ATS: AT6: AT7: ATB:

AT19: AT20:

Strontium-90

AT9:

Pu Isotopes

Page 2 of 2 SMO Contact: J.D. JACKSON Project: MAG 3 GROUP 5 OPERATION AND MAINTENANCE - ROUND 9 (BIANNUAL) Project Manager: C.J. ROBERIS SAMPLING AND ANALYSIS PLAN TABLE FOR CHEMICAL AND RADIOLOGICAL ANALYSIS Plan Table Number: WAGGGQUPS(RD9)
SAP Number:
Date: 07/20/00 Plan Table Revision: 0.0

|  | 1   | 3                     |          | ı                   |                     |                     | 1                   | 1  |                      |  | 1             |  | l  | ı  | l  |               | l             | l            |
|--|---|-----------------------|----------|---------------------|---------------------|---------------------|---------------------|--|----------------------|--|---------------|--|--|--|--|---------------|---------------|--------------|
|  | CTT. COTA OLTA CATA ALTA SLTA LITA STATE CATA PATE OFTA | Ħ                     |          | $\vdash$            | T                   | T                   | T                   | T  | T                    | T  | I             | $\vdash$   | $\vdash$   | $I^-$  | T  | T             | T             | T            |
|  | 1   | 9                     |          | ┢                   | f                   | -                   | 一                   | 十  | $\vdash$             | $\vdash$   | H             | 1  | $\vdash$   | $\vdash$   | T  | $\vdash$      | 十             | T            |
|  | 1:  |                       |          |                     | $\vdash$            | 1                   | 一                   | T  | ┢                    | $\vdash$   | <del> -</del> | $\vdash$   | $\vdash$   | -  | 一  | 十             | $\vdash$      | T            |
|  | 1   | <u> </u>              |          | $\vdash$            | ┢                   |                     | H                   | ┢  | $\vdash$             | $\vdash$   | $\vdash$      | -  | $\vdash$   | $\vdash$   |  | $\vdash$      | 一             | $\vdash$     |
| E S  | 1   | 1                     |          | ┢                   | $\vdash$            | $\vdash$            | t                   | ╁  | ╁                    | <del> -</del>                                    | <del> </del>  |  | $\vdash$   | $\vdash$   | -  | $\vdash$      | $\vdash$      | ┢            |
| 200  |   | =                     |          | $\vdash$            | $\vdash$            | $\vdash$            | $\vdash$            | $\vdash$   | $\vdash$             | -  | -             | -  | ┢  | -  | $\vdash$   | $\vdash$      | T             | 十            |
| E  | 1   | 1                     |          | H                   | $\vdash$            | $\vdash$            | $\vdash$            | <del>                                     </del> |                      | $\vdash$   |               |  | ┢  | -  | $\vdash$   | $\vdash$      | T             | 十            |
| 3  | 15  | 1                     | <br>≶    | -                   | -                   | -                   | -                   | -  | -                    |  |               |  |  | <del> </del>                                     |  | ┢             | $\vdash$      | ╁            |
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|  | ٦   |                       | ្ព       |                     | -                   | <b>-</b>            |                     |  |                      |  |               |  |  |  | _  | $\vdash$      | $\vdash$      | 一            |
|  |   | DEPTH                 | E        | ٧,٧                 | \$                  | \$                  | \$                  | \$   | \$                   |  |               |  |  |  |  |               |               |              |
|  |   |                       |          | HONITORING WELL N/A | HONITORING WELL N/A | HONITORING WELL N/A | MONITORING WELL N/A | HONITORING WELL N/A                              | EQUIPMENT RINSTE N/A |  |               |  |  |  |  |               |               | Г            |
| _  |   | TYPE OF               | 7 O      | RING                | RING                | RING                | RING                | RING   | IT RI                |  |               |  |  |  |  |               |               |              |
| 25   |   | E                     | 2        | ONITO               | 01110               | ONITO               | 01110               | OH I TO  | WIP#                 |  |               |  |  |  |  |               |               |              |
| SAMPLE LOCATION                                  |   |                       | $\neg$   | *                   | *                   | I                   | X                   | =  | <u> </u>             |  |               |  |  |  |  | $\vdash$      |               | -            |
| 훎  |   |                       | LOCATION |                     |                     | ~                   |                     |  |                      |  |               |  |  |  |  |               |               |              |
|  |   |                       | 3        | USGS-57             | 19-s5sn             | USGS-112            | USGS-113            | USGS-85  |                      |  |               |  |  |  |  |               |               |              |
|  |   |                       | $\dashv$ | S                   | 3                   | 8                   | 5                   | S  | 冶                    |  |               |  | -  |  |  |               | _             |              |
|  |   |                       | _        |                     |                     |                     |                     |  |                      |  |               |  |  |  |  |               |               |              |
|  |   |                       | AREA     | 23                  | 23                  | EC                  | 23                  | 23   | EC                   |  | 1             |  |  |  |  |               |               |              |
| <u> </u>   | _   |                       | -        | E                   | 181                 | 6                   | EN C                | IN G   | INI 6                | _  | -             | _  |  |  |  |               |               |              |
| ١.   |   | ANNE                  | DATE     | 06/01/09 INTEC                                   | 06/01/09 INTEC       |  |               |  |  |  |  |               |               |              |
| 一  | 1   | NG P                  | R        | 8                   | 8                   | 8                   | 8                   | 8  | 8                    |  | $\dashv$      |  | _  |  |  |               |               | -            |
|  |   | COLL SAMPLING PLANNED | ¥        |                     |                     |                     |                     |  |                      |  |               |  |  |  |  |               | ŀ             |              |
|  | -   | 걸                     | J. PE    | GRAB                | GRAB                | GRAB                | GRAB                | GRAB   | RNST                 |  |               |  |  |  |  |               |               | <del> </del> |
| 5  |   |                       |          |                     |                     |                     |                     |  |                      |  |               |  |  |  |  |               |               | 一            |
| 200  |   |                       |          | WATER               | WATER               | WATER               | WATER               | HATER  |                      |  |               |  |  |  |  |               |               |              |
| SAMPLE DESCRIPTION                               |   |                       | ¥EDI}    | GROUND WATER                                     | WATER                |  |               |  |  |  |  |               |               |              |
| SAMPL  | -   | 핅                     | <u>≭</u> |                     |                     |                     |                     |  | 3                    | -  |               |  |  |  |  | -             |               |              |
|  |   | SAMPLE                | È        | REG                 | REG                 | REG                 | REG                 | <b>8</b> EG                                      | ä                    |  |               |  |  |  |  |               |               | L            |
|  |   | SAMPLING              | ξĺ       | 504465              | 301466              | 194                 | 504468              | 694  | 83                   |  |               |  |  |  |  |               |               |              |
|  |   | S                     | Ę        | Š                   | ğ                   | 504467              | Š                   | \$0M469  | 504470               |  |               |  |  |  |  |               |               |              |

The sampling activity displayed on this table represents the first six characters of the sample identification number. The complete sample identification number (10 characters) will appear on field guidence forms and sample labels.

|                         | AT11: Lodina-129       |  |
|-------------------------|------------------------|--|
| Gross Alpha/Beta        | AT12: Uranium Isotopee | isotopic Pu is defined as Pu-238, Pu-239 and Pu-240.                       |
|                         | A113:                  | isotopic U is defined as U-234, U-235 and U-238.                           |
|                         | AT14:                  | Gamme Spectrometry analysis isotope of concern Cs-137.                     |
|                         | AT15:                  | Samples 504461, 504462 and 504463 shall be taken from a depth below the HI |
|                         | A116;                  | interbed.  |
| AI7: Gamma Spectroscopy | AT17:                  |  |
|                         | AT16:                  |  |
| Strontium-90            | AT19:                  |  |
| 116: Pu isotopes        | A720:                  |  |
|                         |                        |  |

Page 1 of 2 ATT | ATZ | ATS | AT6 | AT7 | AT8 | AT9 | AT10 | AT11 | AT12 | AT13 | AT16 | AT16 | AT17 | AT18 | AT20 | AT20 SMC Contact: J.D. JACKSON ENTER ANALYSIS TYPES (AT) AND QUANTITY REQUESTED \* Project: WAG 3 GROUP 5 OPERATION AND MAINTENANCE - ROUND 10 (BIANNIAL Project Manager: C.J. ROBERTS 2 R4 R8 ~ 4 SAMPLING AND AMALYSIS PLAN TABLE FOR CHEMICAL AND RADIOLOGICAL AMALYSIS 물 ន 8 \* OEPTH (#) MONITORING WELL COMMENT HONITORING WELL N/A HONITORING WELL N/A MONITORING VELL N/A HONITORING WELL N/A MONITORING WELL N/A MONITORING WELL N/A HONITORING WELL M/A HONITORING WELL N/A HONITORING WELL N/A HONITORING WELL N/A MONITORING WELL N/A TYPE OF LOCATION SAMPLE LOCATION LOCATION USGS-122 USGS-123 USGS-40 USGS-48 USGS-52 USGS-121 25-S5SN USGS-49 USGS-51 USGS-41 USGS-42 MV-18 AREA 06/01/11 INTEC 06/01/11 INTEC 06/01/11 INTEC 06/01/11 INTEC 06/01/11 INTEC 06/01/11 NTEC 06/01/11 NTEC 06/01/11 INTEC 06/01/11 HITEC 06/01/11 HTEC 06/01/11 INTEC 06/01/11 INTEC COLL SAMPLING PLANNED TYPE NETHOD DATE 9 Plan Table Revision: GRAB GRAB GRAB GRAB GRAB GRAB GRAB GRAB GRAB 훒 GRAB GRAB Plan Table Number: WAG3GROUP5(RD10 SAP Number: Date: 07/20/00 Plan Table R SAMPLE DESCRIPTION REG/GC GROUND MATER GROUND WATER GROUND WATER GROUND WATER GROUND WATER GROUND WATER REG GROUND WATER GROUND MATER GROUND MATER GROUND MATER GROUND WATER GROUND WATER SAMPLE TYPE MEDIA REG REG REG 2 REG REG REG REG <u>2</u> Æ SAMPL ING ACTIVITY 50H511 50M500 50M501 **SOM502** 50M503 50M504 50M505 50MS06 50MS07 50M508 504509 50M510

The sampling activity displayed on this table represents the first six characters of the sample identification number. The complete sample identification number (10 characters) will appear on field guidance forms and sample labels.

HONITORING WELL COMMENT MONITORING WELL COMMENT

MONITORING WELL N/A

USGS-48 USGS-59

06/01/11 INTEC 06/01/11 INTEC 06/01/11 INTEC

GRAB

GROUND LATER GROUND LATER GROUND LATER

200

504512 504513 504514

REG REG

GRAB

LF3-08

|      |                    |                         | のドズ川文子のジ   |
|------|--------------------|-------------------------|--|
| AT1: | AT1: An-241        | AT11: <u>Iodine-129</u> |  |
| AT2: | Gross Alpha/Beta   | A112: Uranium isotopes  | Isotopic Pu is defined as Pu-238. Pi-230 and Pi-240                        |
| AT3: | : Ic-99            | A713:                   | Stationic U is defined as U-236 U-238 and U-248                            |
| AT4: | Hercury            | A714:                   | Gamma Spectrometry analysis isotope of concern (a.117                      |
| ATS: | Ho-237             | A715:                   | Samoles 509511. SDMS12 and SDMS13 shall be taken from a death helen the un |
| AT6: | Pu-261             | A716:                   | interbed.  |
| AT7: | Germa Spectroscopy | A117:                   |  |
| AT8: | Tritium            | A118:                   |  |
| AT9: | Strontium-90       | АТ19:                   |  |
| 110: | Pu Isotopes        | A720:                   |  |

| SAMPLING<br>ACTIVITY<br>504515<br>504514<br>504514<br>504514<br>504520 | MG SAMP<br>TY TYP<br>S REG<br>6 REG | Flan lable kevision:   | Rev18    | :                      |                | Project:                            | - 1                    | WAG 3 GROUP 5 OPERATION AND MAINTENANCE - ROUND 10 (BIANNUAL | MAINTERANCE          | 2        | 9<br>9       | 8 JANNU  |              | niact y   | lanager   |              | Project Manager: C.J. ROBERTS | S         |          | 8                       | SM Contact. | -         | J. D. JACKSON  |              |
|--|-------------------------------------|--|----------|------------------------|----------------|-------------------------------------|------------------------|--|----------------------|----------|--------------|----------|--------------|---|---|--------------|-------------------------------|-----------|----------|-------------------------|-------------|-----------|--|--------------|
| SAMPL1<br>ACTIVI<br>SOM51<br>SOM51<br>SOM51<br>SOM57<br>SOM57          | SAMP<br>TYP<br>REG REG              | AMPLE DESCRIPTION  | _        |                        |                |                                     |                        |  |                      |          |              |          |              |   | State of the last |              |                               |           |          | ,                       | 120112      | :         | •  | 3            |
| \$0451<br>\$0451<br>\$0451<br>\$0451<br>\$0452<br>\$0455               |                                     |  |          |                        |                |                                     | SAMPLE                 | SAMPLE LOCATION  | <u>1</u>             |          |              |          |              | ENTER   | ENTER ANALYSIS TYPES (AT) AND QUANTITY REQUESTED  | 315 11       | SES C                         | 3 6       | PEANT    | TY REG                  | KESTED      | 1         |  |              |
| 50451<br>50451<br>50451<br>50451                                       |                                     | I  | 븅        | COLL SAMPLING PLANNED  | PLANNED        |                                     |                        | TYPE OF  |                      | E E      | AT2 AT3      | AT4      | ATS /        | AT6 AT7 AT8 AT9   | 7 AT8   | ATP          | AT10                          | AT11A     | TIZAT    | 13 AT 14                | ATTS        | AT16A     | AT10 AT11 AT12 AT13 AT14 AT15 AT16 AT17 AT18 AT19 AT20 | 8 AT15       |
| 50451<br>50451<br>50451<br>50455                                       |                                     | meu i A  |          | 8                      | DATE           | WEA                                 | LOCATION               | LOCATION   | £                    | *        | AB EA        | £        | 2            | à   | R4 R8   | 22           | RF                            | ¥         | 5        | _                       |             | T         | ┞  | L            |
| 50451<br>50451<br>50452<br>50452                                       | $\neg$                              | GROUND WATER   | 88       | -                      | 06/01/11 INTEC | INTEC                               | USGS-57                | MONITORING WELL N/A  | N/A                  | -        | -            |          | -            | =   | =   | _            | E                             | -         | -        | lacksquare              | L           | t         | +  | 1            |
| 50451<br>50451<br>50452  | _                                   | GROUND WATER   | CRAB     |                        | 06/01/11 INTEC | INTEC                               | 29-SSSN                | MONITORING WELL M/A  | K/A                  | -        | -            | E        | ┢            | -   | ╠   | -            | -                             | 1-        | +-       | $\downarrow$            | I           | $\dagger$ | +  | $\bot$       |
| SONS1  | 7 REG                               | GROUND WATER   | GRAB     |                        | 06/01/11 INTEC | INTEC                               | us68-112               | MONITORING WELL N/A  | N/A                  | -        | -            | F        | †=           | †=  | -   | -            | F                             | †=        | +        | $\bot$                  | I           | $\dagger$ | +  | $\bot$       |
| SONS   | 8 REG                               | GROUND WATER   | gg gg    |                        | 06/01/11 INTEC | INTEC                               | USGS-113               | MONITORING WELL W/A  | V <sub>A</sub>       | ╁        | 1.           | 1        | †-           | +   |   | 1            | • •                           | †.        | +        | $\downarrow$            |             | +         | +  | _            |
| 50M52  | <u>2</u>                            | GROUND WATER   | GRAB     |                        | 06/01/11 INTEC | INTEC                               | USGS-85                | MONITORING WELL IN/A   | N/N                  | +        | <del> </del> | 1        | - -          | +   | 4   | 1            | 1                             | - -       | +.       | $\bot$                  | I           | $\dagger$ | $\dashv$   | $\downarrow$ |
|  | 9                                   | WIER   | RNST     | ľ                      | 06/01/11 INTEC | INTEC                               | 8                      | EQUIPMNT RINSTE M/A  | N/A                  | +        | 1            | -        | - -          | 4   | 4   | 4            | 1                             | +         | +        | 4                       |             | $\dashv$  | +  | _            |
|  | H                                   |  | 1        | T                      |                |                                     |                        |  |                      | 4        | 4            | 4        | -1           | -   | <u>-</u>  | -            |                               | -         | _        | _                       |             |           |  |              |
|  | +                                   |  | 1        | 1                      |                |                                     |                        |  |                      |          | _            |          |              |   |   |              |                               |           |          |                         |             | $\vdash$  | -  | L            |
|  | $\dashv$                            |  |          |                        |                |                                     |                        |  |                      |          |              |          |              | -   | <u> </u>  |              |                               | ┢         | $\vdash$ | L                       | L           | $\dagger$ | +  | L            |
|  | $\dashv$                            |  |          |                        |                |                                     |                        |  |                      | $\vdash$ | $\vdash$     |          | T            | $\vdash$  | $\vdash$  | L            |                               | $\dagger$ | ╀        | $oldsymbol{\downarrow}$ |             | $\dagger$ | +  | $\perp$      |
|  |                                     |  | <u> </u> |                        |                |                                     |                        |  |                      | $\vdash$ |              | L        | T            | +   | $\perp$   | L            | I                             | $\dagger$ | +        | 1                       | 1           | $\dagger$ | +  | $\perp$      |
|  |                                     |  |          |                        |                |                                     |                        |  |                      | +        | +            | 1        | $\dagger$    | +   | +   | $\downarrow$ | Ţ                             | $\dagger$ | +        | 4                       |             | 1         | $\dashv$   |              |
|  | +                                   |  | 1        | 1                      | T              |                                     |                        |  |                      | +        | 1            |          | 7            | $\dashv$  | _   | $\int$       |                               | $\dashv$  | $\dashv$ |                         |             |           |  |              |
|  | +                                   |  | 1        | $\dagger$              | T              |                                     |                        |  |                      | $\dashv$ | _            |          |              |   |   |              |                               |           |          |                         |             |           | $\vdash$   |              |
|  | +                                   |  | 1        | 1                      |                |                                     |                        |  |                      |          |              |          | -            | <u> </u>  |   |              |                               |           | $\vdash$ |                         | L           | $\vdash$  | $\vdash$   |              |
|  | 1                                   |  | 1        | 1                      |                |                                     |                        |  |                      |          |              |          |              |   | <u> </u>  |              |                               | $\vdash$  | ├        | L                       |             | ╁         | -  | I            |
|  | 4                                   |  |          | $\exists$              |                |                                     |                        |  |                      | -        | _            |          | $\vdash$     | $\vdash$  | <u> </u>  |              |                               | ╁         | $\vdash$ |                         | T           | ╁         | $\bot$   |              |
| omple<br>comple  | ing activi<br>ete sample            | The sampling activity displayed on this table represents the first six characters of the sample identification number.<br>The complete sample identification number (10 characters) will appear on field guidance forms and sample labels. | this ta  | ble repre<br>(10 chars | sents th       | e first six cha<br>ill appear on fi | acters of the sa       | mple identificat<br>na and sample la                         | ion number.<br>bels. |          |              | 1        | 1            | 1   |   |              | 1                             | 1         | 1        | ]                       | ]           | -         | -  | ]            |
| AT1: Am-241  | 3%                                  |  |          |                        |                | A711:                               | AT11: Todine-120       |  |                      |          |              | -        | ik<br>G<br>U | ()<br> -<br>  |   |              |                               |           |          |                         |             |           |  |              |
| ATZ: Gro   | Gross Alpha/Bets                    | eta  |          |                        |                |                                     | AT12: Uranium Tentumen |  |                      |          |              | ī        | l.           | 1   |   |              |                               |           |          |                         |             |           |  |              |
|  | Ŗ                                   |  |          |                        |                |                                     |                        |  |                      |          |              | Ī        | Isotor       | Isotopic Pu is defined as Pu-238, Pu-239 and Pu-240,                          | a de  | T P          | 3 Pu-5                        | 2         | 65       | P4-2                    | 9           |           |  |              |
|  |                                     |  |          |                        |                | - VIII                              |                        |  |                      |          |              | 1        | Isoto        | isotopic U is defined as U-234, U-235 and U-238.                              | ge fi   | ned as       | 12.<br>1                      | 22-1      | and I    | -23<br>50               |             |           |  |              |
| AT4: Men   | Recury                              |  |          |                        |                | AT14:                               |                        |  |                      |          |              | i        | Samme        | Gamma Spectrometry analysis isotone of concern Callet                         | Smetry  | analy        | Sis is                        | , adopt   | į        | 5                       | 42)         |           |  |              |
| ATS: No-237  | 237                                 |  |          |                        |                | ATIS                                |                        |  | ندن                  |          |              | <br>     | - Paris      | 35  | 3   | 3            | 3                             |           |          |                         |             |           |  |              |
| AT6: Pu-241  | 341                                 |  |          |                        |                | AT16:                               |                        |  |                      |          |              | Ī        |              | seconds socially socials and social social of taken from a depth below the HI | 3   |              | 2                             |           | 8        | Caken                   |             | eo ca     | 10 oc  | =            |
| A17: Gam   | Gamma Spectroscopy                  | scopy  |          |                        |                | ATT72                               |                        |  |                      |          |              | Ī        |              |   |   |              |                               |           |          |                         |             |           |  | I            |
| ATB: Iril  | Tritium                             |  |          |                        |                | ATIĞ                                |                        |  |                      |          |              | Ī        |              |   |   |              |                               |           | 1        |                         |             |           |  | 1            |
| AT9: Stro  | Strontium-90                        |  |          |                        |                | AT19;                               |                        |  |                      |          |              | <u> </u> |              |   |   |              |                               |           |          | ŀ                       |             |           | ŀ  |              |
| ATTO: Pu I   | Pu Isotones                         |  |          |                        |                | 4720.                               |                        |  |                      |          |              | Ī        |              |   |   |              |                               |           |          |                         | 1           | l         |  |              |

Page 1 of 2 ATT ATZ ATZ ATG ATS ATG ATT ATB AT9 AT10 AT11 AT12 AT13 AT14 AT15 AT16 AT17 AT18 AT19 AT20 SMO Contact: J. D. JACKSON ENTER ANALYSIS TYPES (AT) AND QUANTITY REQUESTED 3 WAG 3 GROUP 5 OPERATION AND MAINTENANCE - ROUND 11 (BIANNUAL Project Manager: C. J. ROBERTS ~ NP PY R4 R8 RB RF ~ SAMPLING AND ANALYSIS PLAN TABLE FOR CHEMICAL AND RADIOLOGICAL ANALYSIS 皇 2 # \* DEPTH (ft) MONITORING WELL N/A HONITORING WELL N/A MONITORING WELL N/A MONITORING WELL N/A HONITORING WELL N/A HOWITORING WELL N/A MONITORING WELL N/A MONITORING WELL N/A HONITORING WELL N/A MONITORING WELL N/A MONITORING WELL N/A TYPE OF LOCATION SAMPLE LOCATION LOCATION USGS-42 67-SDSn USGS-121 USGS-122 USGS-123 05-S5SN USGS-48 USGS-52 15-spsn USGS-51 至-18 Project: AREA 06/01/13 INTEC COLL SAMPLING PLANNED
TYPE METHOD DATE 0.0 Plan Table Revision: GZ/B GRAB GRAB GRAB GRAB GRAB GRAB GRAB GRAB GRAB GPAB 훙 SAP Humber: Date: 07/20/00 Plan Table SAMPLE DESCRIPTION GROUND WATER REG/QC GROUND WATER GROUND WATER GROUND WATER GROUND WATER GROUND WATER SAMPLE MEDIA 25 Æ REG 2 REG 2 52 25 2 **2** REG 504550 504551 **SON5**52 504533 **SOM554** 50M555 50M556 **SOM558** 504560 **50M557 SOM559** 500561

The sampling activity displayed on this table represents the first six characters of the sample identification number. The complete sample identification number (10 characters) will appear on field guidance forms and sample labels.

MONITORING WELL COMMENT MONITORING WELL COMMENT MONITORING WELL COMMENT

> **50M563** LF3-08

USGS-41 504562

> 06/01/13 INTEC 06/01/13 INTEC 06/01/13 INTEC

GRAB GRAB

GROUND WATER

ű ZEG

50M562 504563 GRAB

GROUND WATER GROUND WATER

504564

HONITORING WELL N/A

| の「五四五五〇〇〇        |                         | isotopic Pu. is defined as Pu-238, Pu-239 and Pu-240, | Isotopic U is defined as U-234, U-235 and U-238. | Gentra spectrometry analysis isotope of concern Cs-137. | Samples 504561, 504562 and 504563 shall be taken from a depth below the HI | interbed,               |              |                   |                   |
|------------------|-------------------------|---|--|---|--|-------------------------|--------------|-------------------|-------------------|
| AT11: Lodine-129 | AT12: Uranium Tentromas | AT12.   | AT16:  | AT 15 p   | A16;   | A117;                   | A718:        | AF19;             | A120;             |
| AT1: An-241      | A72: Gross Alpha/Beta   | AT3: 1c-99  | A14: Mercury                                     | A15: Np-237   | AT6: Pu-241  | A17: Gamma Spectroscopy | A76: Tritium | A19: Strontium-90 | A710; Pu isotopes |

Plan Toble Number: <u>VAGSGROUPS(RD11</u> SAP Number: Date: <u>07/20/00</u> <u>Plan Toble Revision</u>: 0.0

SAMPLING AND AMALYSIS PLAN TABLE FOR CHENICAL AND RADIOLOGICAL ANALYSIS

Project: WAG 3 GROUP 5 OPERATION AND MAINTENANCE - ROUND 11 (BIANNIAL Project Manager: C. J. ROBERTS

Page 2 of 2

SMO Contact: J. D. JACKSON

| Г                            |   | [8   | Т                | Т                   | Т                   |  | 1                   | _                   | 7                   | <b>T</b> |  | T -       | _        | _        | 1        | Т             | ·                  | _         |
|------------------------------|---|--|------------------|---------------------|---------------------|--|---------------------|---------------------|---------------------|----------|--|-----------|----------|----------|----------|---------------|--------------------|-----------|
|                              |   | 븡  | +                | +                   | +                   | +  | +                   | +                   | +                   | +        | +  | +         | _        | $\bot$   | _        | +             | $\bot$             | 1         |
| ş                            |   | E  | 1                | _                   | 1                   | 1  | _                   | 1                   | 1                   | 1        | $\bot$   | $\bot$    | $\perp$  | 1        | L        | $\perp$       | _                  | $\perp$   |
| 1                            |   | Ē  | L                | $oldsymbol{\perp}$  | 1                   | 1  | $\perp$             | $\perp$             | $\perp$             | $\perp$  | $\perp$  | $\perp$   | _        | $\perp$  | L        | _             | $oldsymbol{\perp}$ | $\perp$   |
| מונים בי בעישפת              |   | ATT.   | L                | Ŀ                   | $\perp$             | L  | $\perp$             | $\perp$             | $\perp$             | $\perp$  | $\perp$  |           |          |          |          |               |                    |           |
|                              |   | AT16   |                  |                     |                     |  |                     |                     |                     |          |  |           | Τ        | Τ        | T        | Γ             | Τ                  | Τ         |
|                              | ESTE  | AT 15  |                  |                     |                     |  | Π                   | Τ                   | Г                   | Τ        | Τ  | Τ         | Τ        | Τ        | Π        | T             | T                  | T         |
|                              | 1   | A114   | Γ                | Т                   | Τ                   | Τ  | T                   | Τ                   | T                   | T        | T  | T         | T        | 1        | T        | T             | T                  | T         |
|                              |   | AT13   | Γ                | T                   | Τ                   | T  | Τ                   | T                   | T                   | Τ        |  |           | Γ        | T        | T        | T             | T                  | T         |
| 1                            | \$  | 1112   | 3                | 1-                  | 1-                  | 1-   | <b> -</b>           | -                   | -                   |          | T  | T         | T        | 十        | 1        | 十             | T                  | T         |
|                              | 2   | Ē  | Z                | 1-                  | <del> -</del>       | -  | 1-                  | -                   | 1-                  | T        | 1  | T         | T        | 十        | <u> </u> | $I^-$         | T                  | T         |
| 1                            | 5   | 흔  | 2                | 1-                  | -                   | -  | 1-                  | -                   | <b>†</b> -          | T        | T  | T         | T        | T        | $\vdash$ | T             | $\vdash$           | ╁         |
| 1                            | =   | 2  | 2                | 1=                  | -                   | -  | -                   | 1=                  | -                   | T        | T  | 十         | T        | $\vdash$ | $\vdash$ | ┢             | $\vdash$           | T         |
| 124                          |   | 82   | 2                | -                   | -                   | 1-   | <del> -</del>       | ╞                   | -                   | $\vdash$ | T  | $\vdash$  | $\vdash$ | $\vdash$ | $\vdash$ | <del> -</del> | 十                  | $\dagger$ |
| 791                          | ENIER ANALISIS (TES (AL) AND MUNHILLY REQUESTED | 4  | z                | -                   | <b>t=</b>           | -  | †-                  | 1-                  | -                   | $\vdash$ | T  | $\vdash$  | $\vdash$ | $\vdash$ | $\vdash$ | $\vdash$      | t                  | 十         |
| 1                            | Š   | AT6 AT7 AT8 AT9 AT10 AT11 AT12 AT13 AT14 AT15 AT16 AT17 AT18 AT19 AT20 | Ł                | <b>t-</b>           | <del> -</del>       | -  | †=                  | 1-                  | <b> -</b>           | I        | $\vdash$   | $\vdash$  | 1        | +        | $\vdash$ | f             | $\vdash$           | $\vdash$  |
|                              | ł   | AT5 A  | <u>-</u>         | 1-                  | -                   | <del> -</del>                                    | -                   | -                   | <del> -</del>       | 1-       | +  | $\vdash$  | +        | $\vdash$ | $\vdash$ | $\vdash$      | +                  | +         |
| ATT STORY STANTON TO STANTON | ŀ   | AT4  | 2                | †=                  | -                   | -  | -                   | -                   | -                   | $\vdash$ | $\vdash$   | f         | $\vdash$ | $\vdash$ | $\vdash$ | $\vdash$      | $\vdash$           | $\vdash$  |
|                              | ł   | AT3  | ₫                | -                   | -                   | -  | <del> -</del>       | <del> -</del>       | <del> -</del>       | $\vdash$ | ┢  | $\vdash$  | $\vdash$ | ╁        | ├        | ┝             | ┝                  | ╁╴        |
|                              | ł   | AT2 A  | 87               | <del> -</del>       | -                   | -  | †=                  | <del> -</del>       | <del> -</del>       | $\vdash$ | ┢  | $\vdash$  | $\vdash$ | ┞        | $\vdash$ | ┢             | ┝                  | ╁         |
|                              | ŀ   | AT1 A  | *                | <b> -</b>           | -                   | -  | -                   | -                   | -                   | $\vdash$ | <del>                                     </del> | -         | $\vdash$ | $\vdash$ | $\vdash$ | _             | ┢                  | ╁         |
| 十                            |   | 7  | <u> </u>         | $\vdash$            |                     | <del>                                     </del> | $\vdash$            | $\vdash$            | $\vdash$            |          | $\vdash$   | -         | ┢        | -        | $\vdash$ | <del> </del>  | ┢                  | $\vdash$  |
|                              |   | age.   | €                | ≨                   | \$                  | \$   | ≨                   | ¥¥                  | ≨                   |          |  |           |          |          |          |               |                    |           |
|                              |   |  | . =              | HONITORING WELL N/A | MONITORING WELL N/A | HONITORING WELL N/A                              | MONITORING WELL N/A | HONITORING WELL N/A | EQUIPMET RINSTE N/A |          |  |           |          |          |          |               |                    |           |
| 8                            | •   | 90   | LOCATION         | 8                   | SK ING              | 28.  |                     | 35                  | ¥                   |          |  |           |          |          |          |               |                    |           |
| N N                          |   | 1  | . 2              | ğ                   | T T T               | TINO   | Ē                   | E                   | 130                 |          |  |           |          |          |          |               |                    |           |
| SAMPLE LOCATION              |   | Γ  | =                |                     |                     |  | Ī                   |                     |                     |          |  | ·         |          |          |          |               |                    |           |
| 3                            |   | l  | LOCATION         | _                   | ~                   | 22   | 12                  | _                   |                     |          |  |           |          |          |          |               |                    |           |
|                              |   |  | 2                | <b>15-888</b> 0     | 79-SDSN             | USGS-112   | USGS-113            | USGS-85             |                     |          |  |           |          |          |          |               |                    |           |
|                              |   | H  |                  | ٦                   | 3                   | 5  | ٦                   | 5                   | ន                   |          | H  |           | -        | $\vdash$ |          |               |                    | -         |
|                              |   |  | <b>5</b>         |                     |                     |  |                     |                     |                     |          |  |           |          | -        |          |               |                    |           |
|                              |   |  | AREA             | 32                  | TEC                 | TEC  | TEC                 | TEC                 | 엺                   |          |  |           |          |          |          |               |                    |           |
| -                            |   | Ļ  | _                | 13 IK               | 13 IX               | 13 IX  | 13 IN               | 13 IX               | H1 51               |          |  | -         |          | $\dashv$ | _        |               |                    |           |
|                              |   | LAME   | TYPE METHOD DATE | 06/01/13 INTEC      | 06/01/13 INTEC      | 06/01/13 INTEC                                   | 06/01/13 IN         | 06/01/13 IN         | 06/01/13 INT        |          |  | .         |          |          |          |               |                    |           |
| <b> </b>                     |   | 1 2  | 8                | đ                   | <u> </u>            | <u>ජ</u>   | ð                   | ಶ                   | ð                   |          |  | -         |          | -        | -        |               |                    | -         |
|                              |   | I days   | Ē                |                     |                     |  |                     |                     |                     |          |  |           |          |          |          |               |                    |           |
|                              |   | į  | J.               | GRAB                | GRAB                | GRAB   | GRAB                | GRAS                | RNST                |          |  |           |          |          |          |               |                    |           |
| 5                            |   | Ť  | -                |                     |                     |  |                     |                     |                     |          |  | $\exists$ |          |          | $\neg$   |               | _                  |           |
| SE P                         |   |  |                  | WATER               | LATER               | WATER  | MATER               | WATER               |                     |          |  |           |          |          |          |               |                    |           |
| SAMPLE DESCRIPTION           |   |  | KEDIA            | GROUND WATER        | GROUND WATER        | GROUND LATER                                     | GROUND MATER        | GROUND WATER        | WATER               |          |  |           |          |          |          |               |                    |           |
| 18                           |   | =  | 뿦                |                     |                     |  |                     |                     | 3                   |          | -  | -         |          | $\dashv$ |          |               |                    |           |
|                              |   | 3  | TYPE             | SES.                | 53                  | SEG.   | REG                 | BEG                 | မွ                  |          |  |           |          |          |          |               | ·                  |           |
|                              |   | 星  | Ę                | \$                  | 38                  | 19   | 38                  | 8                   | R                   |          | ĺ  |           |          |          | . [      |               |                    |           |
|                              |   | SEP  | ACTIVITY         | 504565              | <b>50M566</b>       | 504567   | \$0M268             | 504569              | 50M570              | ı        |  |           |          |          | I        |               |                    |           |
| <b></b>                      |   | <b></b>  | 1                | I                   |                     |  |                     |                     | 1                   | 1        |  | 1         |          |          |          |               |                    |           |

The sampling activity displayed on this table represents the first six characters of the sample identification number. The complete sample identification number (10 characters) will appear on field guidance forms and sample labels.

5 一工以完集 0

|                         |                         | の一名以ぞまつじ   |
|-------------------------|-------------------------|--|
| AT1: An-241             | AT11: <u>lodine-129</u> |  |
| A72: Gross Alpha/Bets   | AT12: Uranium isotopes  | Sectoals Pu is defined as Pu-238. Pu-239 and Pu-240                        |
| AT3: 16-99              | ATI3:                   | Isotopic U is defined as U-234, U-235 and U-248                            |
| A14: Nercury            | A714:                   | Gamma spectrometry analysis isotope of concern Ce-117                      |
| ATS: Np-237             | ATIS:                   | Samples 50H561, 50H562 and 50M563 shall be taken from a danth halou she ut |
| A76: Pu-241             | A716:                   | interbed.  |
| A17: Gamma Specifoscopy | A717:                   |  |
| AT8: Tritium            | A118:                   |  |
| A19: Strontlum-90       | A719:                   |  |
| AT10: Pu isotopes       | AT20;                   |  |
| 50 AE 50 AA AA AA       | /Beta                   | /Beta  |

Page 2 of 2 SMC Contact: J. D. JACKSON SAMPLING AND ANALYSIS PLAN TABLE FOR CHEMICAL AND RADIOLOGICAL ANALYSIS 9 Plan Table Revision: Pian Table Number: WAG3GROUP5(RD11 SAP Number: 02/20/00

Project: WAG 3 GROUP 5 OPERATION AND MAINTENANCE - ROUND 11 (BIANNUAL Project Manager: C. J. ROBERTS

AT1 AT2 AT3 AT4 AT5 AT6 AT7 AT8 AT9 AT10 AT11 AT12 AT13 AT14 AT15 AT16 AT17 AT18 AT19 AT30 ENTER ANALYSIS TYPES (AT) AND QUANTITY REQUESTED s R4 R8 RF R1 -7 2 -엹 ð 2 2 OEPTH (#t) HONITORING WELL N/A HONITCRING WELL N/A MONITORING WELL N/A MONITORING WELL N/A HONITORING WELL N/A EQUIPMENT RINSTE N/A TYPE OF LOCATION SAMPLE LOCATION LOCATION USGS-112 USGS-113 USGS-57 19-SDSN USGS-85 ႘ AREA 06/01/13 INTEC 06/01/13 RYTEC 06/01/13 INTEC 06/01/13 INTEC 06/01/13 INTEC 06/01/13 INTEC COLL SAMPLING PLANNED
TYPE METHOD DATE GRAB 25 GRE GRAB GRAS ZST. SAMPLE DESCRIPTION GROUND WATER GROUND WATER GROUND WATER GROUND WATER GROUND WATER SAMPLE MEDIA WATER 55 2 200 2 REC ႘ SAMPLING 504565 **SOM566** 504567 50K569 504570 50M568

The sampling activity displayed on this table represents the first six characters of the sample identification number. The complete sample identification number (10 characters) will appear on field guidance forms and sample labels.

Samples 50M561, 50M562 and 50M563 shall be taken from a depth below the HI Gamma spectrometry analysis isotope of concern Cs-137. isotopic Pu is defined as Pu-238, Pu-239 and Pu-240. Isotopic U is defined as U-234, U-235 and U-238. CONNENTS interbed. AT12: Uranium Isotopes AT11: 10dine-129 AT17: ATT3: AT14: AT15: AT16: AT18: ATT9: A720: Garma Spectroscopy Gross Alpha/Bets Strontium-90 Pu Isotopes Trition Hercury No-237 Am-241 6-5 Pu-241 AT2: AT3: AT4: ATS: AT6: AT7: AT8: A19:

Plan Table Revision: 0.0 Plan Table Number: MAGGGROUP5/RD12 SAP Number: Date: 07/20/00 Plan Table R

SAMPLING AND ANALYSIS PLAN TABLE FOR CHEMICAL AND RADIOLOGICAL ANALYSIS

Project: WMG 3 GROUP 5 OPERATION AND MAINTENANCE - ROUND 12 (BIANNIAL Project Manager: C.J. ROBERTS

Page \_1 of \_2

|  | Γ  | AT10 AT11 AT12 AT13 AT14 AT15 AT16 AT17 AT18 AT19 AT20 | S C              | 1                   | T                   | $\prod$             | $\perp$             | T                   | T                   | T                  | $\prod$             | I                   | 1                   | I                   | I                       | 1                       | Ţ                       | T                   |
|--|--|--|------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|--------------------|---------------------|---------------------|---------------------|---------------------|-------------------------|-------------------------|-------------------------|---------------------|
| 3  |  | 1  | -                | +                   | +                   | +                   | +                   | +                   | +                   | +                  | 4                   | +                   | 4                   | 4                   | 4                       | _                       | 4                       | $\bot$              |
| SMO Contact: J.D. JACKSCH  |  | 1  | -                | +                   | +                   | +                   | +                   | +                   | +                   | +                  | -                   | +                   | 4                   | 4                   | 4                       | _                       | _                       | 4                   |
| 3  |  | 14 8   | +                | +                   | +                   | +                   | +                   | +                   | +                   | +                  | +                   | +                   | +                   | +                   | +                       | +                       | $\bot$                  | -                   |
| act:   | 2  | 15 41  | +                | ╀                   | +                   | +                   | -                   | +                   | +                   | +                  | +                   | +                   | +                   | - -                 | +                       | +                       | +                       | +-                  |
| Cont   | EQUES  | H  | +                | ╀                   | ╬                   | +                   | +                   | +                   | ╬                   | ╀                  | +                   | +                   | +                   | +                   | +                       | +                       | +                       | -                   |
| 욼  | E  | F  | ╁                | +                   | ╁                   | ╬                   | +                   | ╀                   | ╀                   | +                  | +                   | +                   | +                   | +                   | +                       | +                       | +                       | 4                   |
|  | GANT   | 12 A   | 15               | +                   | +                   | +                   | +=                  | ╁                   | +                   | +                  | <u>+</u>            | +                   | +                   | +                   | +                       |                         | +                       |                     |
|  | ş  | 量  | =                |                     | +                   | +                   | +=                  | +                   | +                   | +                  | +                   | +                   | - -                 | +                   | +                       | +                       |                         | 1                   |
| BERTS  | 3  | 를  | 1 2              | -1                  | +                   | +                   | ╁                   | ╁                   | +                   | +                  | +                   | -                   | 4                   | +                   | +                       | +                       | +                       | +-                  |
| 5  | TYPES  | AT9 AT   | 2                |                     | +                   | ╁                   | +                   | +                   | +                   | +                  | +                   | -                   | -                   | +                   | +                       | 1                       |                         | 1                   |
| ű  | YSIS   | 80<br>14   | 2                | ╁                   | +-                  | +                   | -                   | +                   | +                   | +                  | +                   | +                   | 4_                  | +                   | +                       | -                       |                         | 上                   |
| fenage   | ENTER ANALYSIS TYPES (AT) AND QUANTITY REQUESTED | AT7 AT8  | 1 2              | ╁-                  | +                   | +                   | ╁                   | ╁                   | ╁                   | +                  | +                   | -                   | +                   | Ļ                   | +                       | +                       | +                       | ╀                   |
| ject   | ENTE   | AT6 A  | E                | †=                  | +-                  | +                   | ╁═                  | ╁                   | ╁                   | ╁                  | +                   | - ~                 | +                   | ╁                   | +                       | +                       | +                       | +                   |
| Ę  |  | ATS A  | ╽                | †=                  | ╁                   | +-                  | +-                  | ╁                   | ╁                   | +-                 | ╁                   | 7                   | +                   | ╁                   | +                       | +                       | ╁                       | +                   |
| MECAL  |  | AT4 A  | 2                | †=                  | †=                  | †=                  | +-                  | ╁-                  | <del> -</del>       | +-                 | +=                  | 1~                  | +                   | +-                  | ╁                       | +                       | -                       | +                   |
| Ě  |  | AT3 A  | \$               | -                   | †=                  | <del> -</del>       | +                   | ╞                   | ╞                   | +-                 | ╪                   | ~                   | -                   | ╁                   | ╁                       | ╁                       | +                       | +                   |
| 2<br>2   |  | ATZ A  | 2                | †=                  | †=                  | †=                  | ╁═                  | -                   | -                   | ╁-                 | †-                  | 7                   | +                   | +-                  | ╁                       | ╁                       | +                       | +                   |
| ₫  |  | AT1 X  | ž                | †-                  | †=                  | †=                  | †=                  | <del> -</del>       | -                   | +                  | -                   | 1~                  | ╁                   | ╁                   | ╆                       | ╆                       | +                       | -                   |
| 2  | 1  | Т  | <b>.</b>         | T                   | $\dagger$           | T                   | T                   | ╁                   | 十                   | $\vdash$           | 十                   | +                   | $\dagger$           | +                   | 七                       | +                       | +                       | $\vdash$            |
| MAINTE   |  |  | #£               | \$                  | ¥ <u>*</u> 1        | K/W                 | \$                  | \$                  | <b>S</b>            | <b>S</b>           | \\$                 | <b>≤</b>            | \$                  | ¥.                  | SOME                    | COMEN                   | COME                    | K/A                 |
| WAG 3 GROUP 5 OPERATION AND MAINTENANCE - ROUND 12 (BIANNIAL Project Herager: C.J. ROBERTS | SAMPLE LOCATION                                  | TVBE AF  | LOCATION         | HONITORING WELL N/A | MONITORING WELL N/A | MONITORING WELL N/A | HONITORING WELL M/A | HOMITORING WELL M/A | MONITORING WELL N/A | MONITORING WELL MA | HONITORING WELL N/A | MONITORING WELL N/A | MONITORING WELL N/A | MONITORING WELL N/A | MONITORING WELL COMMENT | MONITORING WELL COMMENT | MONITORING WELL COMMENT | MONITORING WELL N/A |
| ı  | SAMPLE   |  | LOCATION         | Æ-18                | USGS-40             | USGS-42             | USGS-47             | USGS-48             | 05-49<br>USGS-49    | USGS-51            | USGS-52             | USGS-121            | USGS-122            | USGS-123            | 19-8080                 | 1 87-sosn               | USGS-59                 | LF3-08              |
| 110)500  |  |  | AREA             | INTEC                INTEC               | INTEC               | INTEC               | INTEC               | INTEC                   | INTEC                   | INTEC                   | INTEC               |
|  |  | PLANVED  | DATE             | 06/01/15            | 06/01/15            | 06/01/15            | 06/01/15            | 06/01/15            | 06/01/15            | 51/10/90           | 06/01/15            | 06/01/15            | 06/01/15            | 06/01/15            | 06/01/15                | 06/01/15                | 06/01/15                | 06/01/15            |
| - 1  |  | SAMPLING   | TYPE METHOD DATE |                     |                     |                     |                     |                     |                     |                    |                     |                     |                     |                     |                         |                         |                         |                     |
|  |  | 8  | TYPE             | GRAB                | SKA8                | GRAB                | GRAB                | GRAB                | GRAB                | GRAB               | GRAB                | à                   | GRAB                | BYB                 | GRAB                    | 88                      | GRAB                    | GRAB                |
| Trail 19016 AGT 191011   | SAMPLE DESCRIPTION                               |  | MEDIA            | GROUND WATER         GROUND WATER        | REG/AC GROUND NATER | GROUND WATER        | GROUND VATER        | GROUND WATER            | GROUND WATER            | GROUND WATER            | GROUND WATER        |
| 20 (24 )   | 3  | SAMPLE   | TYPE             | REG                 | REG                 | REG                 | REG                 | EG EG               | 32                  | REG                | REG                 | REG/GC (            | REG                 | REG                 | REG                     | REG                     | REG                     | REG                 |
|  |  | SAMPL ING  | ACTIVITY         | SOM600              | 504601              | <b>50M6</b> 02      | 50M603              | 504604              | 50M605              | 50#606             | 5091607             | 50%608              | 50H609              | 50%610              | 50#611                  | 50%612                  | 504613                  | 50M614              |

The sampling activity displayed on this table represents the first six characters of the sample identification number. The complete sample identification number (10 characters) will appear on field guidance forms and sample labels.

Samples 50%611, 50%612 and 50%613 shelt be taken from a depth below the HI Gamma spectrometry analysis isotope of interest Cs-137. isotopic Pu is defined as Pu-238, Pu-239 and Pu-240. isotopic U is defined as U-234, U-235 and U-238. CORKERTS interbed. AT12: Uranium Isotopes AT11: 10dine-129 AT13: AT14: ATT5: AT16: AT17: AT18: AT19: A720: Gamme Spectroscopy A72: Gross Alpha/Beta Stront lun-90 Pu isotopes Tritium Hercury Pu-241 AT1: Am-241 AT3: 1c-99 P-237 AT4: AT5: AT6: AT8: AT7: AT9:

Page 2 of 2 ATT ATZ ATZ ATZ ATS AT6 AT7 AT8 AT9 AT10 AT11 AT12 AT13 AT14 AT15 AT16 AT17 AT18 AT19 AT20 SMO Contact: J.D. JACKSON ENTER ANALYSIS TYPES (AT) AND QUANTITY REQUESTED Project: WAG 3 GROUP 5 OPERATION AND MAINTENANCE - ROLND 12 (BIANNUAL Project Manager: C.J. ROBERTS 22 PY R4 RB 읖 SAMPLING AND ANALYSIS PLAN TABLE FOR CHEMICAL AND RADIOLOGICAL ANALYSIS A4 A8 EA HG CEPTH (#E) MONITORING WELL | M/A MONITORING WELL N/A MONITORING WELL N/A MONITORING HELL N/A MONITORING WELL N/A EQUIPMNT RINSTE N/A TYPE OF SAMPLE LOCATION LOCATION USGS-113 USGS-112 USGS-57 79-SDSU USGS-85 AREA 06/01/15 INTEC 06/01/15 INTEC 06/01/15 INTEC 06/01/15 INTEC 06/01/15 INTEC 06/01/15 INTEC COLL SAMPLING PLANNED
TYPE METHOD DATE Plan Table Revision: 0.0 GRAS GRAB GRAB GRAB RNST Plen Table Number: WAGGGGUP5(RD12 SAP Number: Date: 07/20/00 Plan Table R SAMPLE DESCRIPTION GROUND WATER GROUND WATER GROUND WATER GROUND WATER GROUND MATER SAMPLE NEDIA WATER 3 **3** 25 REG REG 용 50M618 50M615 504616 50M617 504619 50M620

The sempling activity displayed on this table represents the first six characters of the sample identification number. The complete sample identification number (10 characters) will appear on field guidance forms and sample labels.

|       | -                  |                        | クーミルミにつけ  |
|-------|--------------------|------------------------|---|
| E V   | An-24:             | AT11: Lodine-129       |   |
| AT2:  | : Gross Alpha/Beta | A112: Uranium Isotopes | lastonis Di la dadinad sa Di-278 Di-270 sala mara             |
| AT3:  | 1c-99              | A713:                  |   |
| AT4:  | Kercury            | A714;                  | Carrie statetions by and loads factors of factors of factors  |
| ATS:  | нр-237             | A715:                  | Commiss opecal onest F missysta . Boulder of Interest (8-13/1 |
| AT6:  | Pu-241             | A716;                  | described   |
| AT7:  | Gamma Spectroscopy | A17;                   | 1   VOT NOV.  |
| AT8:  | Tritium            | A718:                  |   |
| AT9:  | Strontium-90       | AT19:                  |   |
| AT10: | Pu Isotopes        | AT20;                  |   |

Page 1 of 2 SMC Contact: J.D.JACKSON ENTER ANALYSIS TYPES (AT) AND QUANTITY REQUESTED 28 XF R1 WAGS CROUP 5 OPERATION AND MAINTENANCE - ROUND 13 (FIVE YR) Project Manager: C.J. ROBERTS PY R4 R8 읖 SAMPLING AND ANALYSIS PLAN TABLE FOR CHEMICAL AND RADIOLOGICAL ANALYSIS 꾶 **≅** \* EFT (‡ MONITORING WELL N/A TYPE OF LOCATION SAMPLE LOCATION LOCATION 67-S9SN USGS-48 07-S9SN USGS-42 USGS-47 FN-18 Project: AREA 06/01/20 INTEC 06/01/20 1NTEC 06/01/20 INTEC 06/01/20 INTEC 06/01/20 INTEC 06/01/20 INTEC COLL SAMPLING PLANNED
TYPE METHOD DATE 9 Plan Table Revision: GRAS GRAB 2 GRAB GRAB 88 Plan Table Number: WAG3GROUP5.R013 SAP Number: SAMPLE DESCRIPTION GROUND WATER GROUND WATER GROUND LIATER GROUND WATER GROUND MATER GROUND WATER SAMPLE MEDIA 00/02/20 2 35 REG REG 25 SAMPL ING ACTIVITY SOM655 50M650 50M652 **504653** 50M654 504651

The sampling activity displayed on this table represents the first six characters of the sample identification number. The complete sample identification number (10 characters) will appear on field guidence forms and sample labels.

Damples 504661, 504662 and 504663 shall be taken from a depth below the Hi Gamma spectrometry analysis isotope of concern Cs-137, Isotopic Pu is defined as Pu-238, Pu-239 and Pu-248. isotopic U is defined as U-234, U-235 and U-238. COMMENTS Interbed. AT12: Uranium Isotopes AT11: Jodine-129 AT16: ATI3: AT14: ATT7: AT15: ATTB: AT19: AT20: Gamma Spectroscopy ATZ: Gross Alpha/Beta Strontium-90 Pu Isotopes Tritium AT4: Mercury ATS: No-237 AT6: Pu-241 ATT: Am-241 AT3: 1c-99 AT8: AT9: A17: AT10:

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2

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HONITORING WELL N/A

USGS-121 USGS-122 MONITORING MELL M/A

USGS-123

17-505N

GRAB GRAB

GROUND LATER GROUND LATER GROUND WATER

504662

50M663 50M664

GRAB

GROUND WATER GROUND WATER

22 22 22 22 22

MONITORING WELL | N/A

**USGS-52** 

06/01/20 INTEC

GRAB

HONITORING WELL N/A

06/01/20 INTEC 06/01/20 INTEC 06/01/20 INTEC 06/01/20 INTEC 06/01/20 INTEC 06/01/20 INTEC

GRAB

504658 504659 504660

504657

ş

REG/OC GROUND WATER

MONITORING WELL (N/A

**USGS-51** 

06/01/20 INTEC

GRAB

GROUND WATER GROUND WATER GROUND WATER

50M656

 MONITORING WELL COMMENT

MONITORING WELL N/A

LF3-08

GRAB

USGS-59

HONITORING WELL COMMENT

| Plan Table<br>SAP Number | Munber  | Plan Table Number: WAG3GROUPS(RD13<br>SAP Number: | 삠         |                       |           | SAMPLE   | NG AND ANALYSIS | SAMPLING AND ANALYSIS PLAN TABLE FOR CHENICAL AND RADIOLOGICAL AMBY VETE | CAL AND RA    | 2010101 | CA A   | isi vere  |              |       |                               |               |          |        |  |           |                          |                 |           |  |
|--------------------------|---------|---|-----------|-----------------------|-----------|----------|-----------------|--|---------------|---------|--------|-----------|--------------|-------|-------------------------------|---------------|----------|--------|--|-----------|--------------------------|-----------------|-----------|--|
| Date: 07/20/00           | 7/20/00 | Plan Table Revision:                              | e Revis   | ion: 0.0              | 0         | Project: |                 | MAG3 GROUP 5 OPERATION AND MAINTENANCE - ROUND 13 CEIVE VEN              | TENANCE       |         | 13 (8) | ĺ         |              | 1     |                               |               |          |        |  |           |                          |                 | Page      | Page 2 of 2  |
|                          | 35      | SAMPLE DESCRIPTION                                | 385       |                       |           |          | SWPLE           | SAMPLE LOCATION  | 1             |         |        |           | 2            | 200   | rivjeti nalageri t.J. Kusekis | ;             | (deck)   |        | 7  | 2<br>2    | SMO Contact: J.D.JACKSON | 9               | CKSON     |  |
|                          |         |   |           |                       |           |          |                 |  | _1            |         |        |           |              | CHICK | ARALTS                        | 2             | 3        | 2      | CHICK ARALISIS ITHES (AI) AND QUARTILY REQUESTED | / REQUE   | STED                     |                 |           |  |
| SAMPLING                 | SAMPLE  | MED 14  | ខ្លួន     | COLL SAMPLING PLANKED | PLANKED   |          |                 | TYPE OF D  |               | 1 AT2   | 13     | AT4 A     | 75 AT        | 5 AT7 | AT6                           | ATS           | 130      | H      | 2 ATT3   | ATTA      | TISATI                   | 6 ATT           | NT AT 18  | AT ATS ATS AT ATS AT AT 10 AT 12 AT 12 AT 13 AT 14 AT 15 AT 16 AT 17 AT 18 AT 10 AT 20 |
|                          | 1       |   |           | 31112                 | MIE       | AKEA     | LOCATION        |  | (£)           | A4 AB   | ā      | 2         | Ad dit       | 70 /  | ä                             | g             | l a      | 1      | I  | t         | +                        | 1               |           |  |
| 50M665                   | REG     | GROUND WATER                                      | GRAB      |                       | 08/10/90  | INTEC    | 75-s9sn         | MONITORING WELL N/A  | <del> </del>  | 1       | F      | -         | -            |       |                               |               | -1-      |        | 1  | 1         | $\dashv$                 | $\dashv$        |           |  |
| 50M666                   | REG     | GROUND WATER                                      | 25        |                       | 06/01/20  | INTEC    | 27.00311        | THE STREET   | 1             | +       | 1      | -         | -            | 4     | -                             | -             | -        |        | _  |           |                          |                 |           | _  |
| 500667                   | DEC     | Charles Harry                                     |           |                       |           |          | 0.000           | PURITURING WELL N/A  | _             | _       | -      | ***       |              | _     | _                             | <del>-</del>  | _        | _      |  |           | $\vdash$                 | L               | L         | +  |
|                          |         | STOURD WATER                                      | 8         |                       | 02/10/90  | INTEC    | USGS-112        | MONITORING WELL NIA  |               |         | E      | -         | -            | L     | F                             | †-            | +        | 1:     | 1  | $\dagger$ | +                        | 4               | 1         | +  |
| 20%68                    | 2       | GROUND WATER                                      | GRAB      |                       | 02/10/90  | INTEC    | USGS-113        | MONITORING WELL N/A  | +             | 1       | I      | †-        | +            | #     | Ī                             | +             | +        | 1      | 1  | 1         | $\dashv$                 | $\perp$         |           | $\dashv$   |
| 504669                   | REG     | GROUND WATER                                      | 88        |                       | 08/101/50 | INTEC    | USGS-85         | MONITORING LIGHT WAS   | <del> </del>  | 1       | 1      | +         | -            | 1     | -                             | -†            | +        | -      | $\exists$  | $\dashv$  | -                        |                 |           |  |
| SOM670                   | ខ       | WATER   | BRST      |                       | 06/01/20  | INTEC    | 36              | 2011   | +             | 1       | 工      | -         | -            |       |                               | -             | _        | _      |  |           |                          |                 |           | $\vdash$   |
|                          |         |   | 1         | 1                     |           |          |                 | ENGIFMMI KIMSIE N/A  |               | _       | -      | _         | <del>-</del> | _     | -                             |               | _        | -      |  | $\vdash$  | L                        |                 |           | +  |
|                          | 1       |   |           |                       |           |          |                 |  |               | L       |        | $\vdash$  | H            | L     |                               | t             | +        | 1      | 1  | $\dagger$ | +                        |                 | 1         | +  |
| *****                    |         |   |           |                       |           |          |                 |  | $\dagger$     | 1       | 1      | $\dagger$ | 4            | 4     |                               | 1             | $\dashv$ |        |  |           |                          |                 |           |  |
|                          |         |   | 1         | T                     |           |          |                 |  |               |         |        |           |              |       |                               |               |          |        |  | -         | L                        |                 | T         | ╀  |
|                          |         |   |           |                       |           |          |                 |  |               | L       |        | $\vdash$  | Ŀ            | L     | L                             | T             | +        | 1      | 1  | $\dagger$ | +                        | $ \mathcal{I} $ | 7         | $\dashv$   |
|                          |         |   |           |                       |           |          |                 |  | $\frac{1}{1}$ | $\perp$ | 1      | +         | +            | 1     | I                             | +             | +        | $\int$ |  | $\dashv$  | _                        |                 |           | ·  |
|                          |         |   |           | T                     | T         |          |                 |  | -             | _       |        | -         |              |       |                               |               |          |        |  | ,         |                          |                 |           | $\vdash$   |
|                          | Ī       |   | 1         |                       | 1         |          |                 |  |               |         |        | -         | -            |       |                               | <del> -</del> | -        | L      | I  | $\dagger$ | $\downarrow$             | $\mathbb{I}$    | $\dagger$ | +  |
|                          |         | •   |           |                       | ······    |          |                 |  | -             | L       | T      | +         | +            | 1     | 1                             | $\dagger$     | +        | $\int$ | 1  | +         | 4                        | ]               | 1         | $\dashv$   |
|                          |         |   |           | T                     | l         |          |                 |  | +             | 1       | 1      | -         | -            |       |                               | -             | -        |        |  |           |                          |                 |           |  |
|                          | I       |   | $\dagger$ | $\dagger$             | 1         |          |                 |  |               | _       |        |           |              |       |                               |               | <u> </u> |        |  | ├         | $\perp$                  | I               | t         | +  |
|                          | 1       |   | 1         | 1                     | 1         |          |                 |  |               |         |        | $\vdash$  | $\vdash$     | L     | 1                             | +             | +        | I      | 士  | +         | $\downarrow$             | 1               | $\dagger$ | +  |
|                          |         |   |           |                       |           |          |                 |  | +             | Ţ       | 1      | +         | 4            | I     | 1                             | $\dashv$      | 4        |        |  | _         | _                        | _               |           |  |

The sampling activity displayed on this table represents the first six characters of the sample identification number. The complete sample identification number, and sample labels.

| 1 Am-241   | # EUC 5 3 7      |                        | Isotopic Pu is defined as Pu-238, Pu-239 and Pu-240, | Isotopic U is defined as U-234, U-235 and U-236, | Gamma Spectrometry analysis isotope of concern Ca-137, | Samples 50%661, 50%662 and 50%663 shall be taken from a depth below the HI | Interbed                |       |      |                   |
|--|------------------|------------------------|--|--|--|--|-------------------------|-------|------|-------------------|
| Gross Alchia/Beta 1c-59 Hercury Np-237 Pu-241 Game Spectroscopy Tritium Strontlus-90 | A111: Lodine-129 | AT12: Uranium lantomes | N13:   | NT14:  | 1115;  | 1116:  | 1117:                   | 1718: | 179; | A120:             |
| 田田 医 林   | AT1: An-241      | AT2: Gross Alcha/Beta  |  |  |  |  | AT7: Gamma Spettroscopy |       |      | AT10: Pu isotopes |

| Plan Table Number:           | *umber:              | WAG3GROUP5 (RD2)  | ଣ           |  |             | SAMPLING         | AND ANALYSIS P                    | SAMPLING AND ANALYSIS PLAN TABLE FOR CHEMICAL AND RADIOLOGICAL ANALYSIS | IICAL AND           | AD IOL     | GICAL   | ANAL  | rsis          |                |         |          |        |                                |      |      |       |  |  |      | تة            | Page 1 |          |     | 4        | -1  |
|------------------------------|----------------------|---|-------------|--|-------------|------------------|-----------------------------------|---|---------------------|------------|---------|-------|---------------|----------------|---------|----------|--------|--------------------------------|------|------|-------|--|--|------|---------------|--------|----------|-----|----------|-----|
| SAP Number:<br>Date: 05/     | 15/17/00<br>05/17/00 | Plan Table Revision:  | , Revi      | sion: 0.0                              | o.          | Project:         |                                   | WAG 3 GROUP 5 OPERATION AND MAINTENANCE - ROUND 2                       | INTENANCE           | . <u>.</u> | 2<br>9  |       |               | Proj           | ect #8  | nager    | ن<br>: | Project Manager: C. J. ROBERTS | ERTS |      |       | SMO  | SMO Contact:   |      | J. D. JACKSON | JACK   | 8        | -   |          |     |
|                              | SA                   | SAMPLE DESCRIPTION  | _           |  |             |                  | SAMPLE                            | SAMPLE LOCATION   |                     |            |         |       |               |                | ENTER   | ANALY    | 1 S1S  | YPES                           | AT)  | 8    | ANTIT | ENTER ANALYSIS TYPES (AT) AND QUANTITY REQUESTED | ESTED  |      |               |        |          | į . | ì        |     |
|                              |                      |   | -           |  |             |                  |                                   |   |                     | AT1 A      | AT2 AT3 | 3 AT4 | 4 ATS         | AT6            | 5 AT7   | AT8      | AT9    |                                | NT1  | AT12 | AT13  | AT14   | AT10 AT11 AT12 AT13 AT14 AT15 AT16 AT17 AT18 AT19 AT20             | AT16 | AT17          | E      | 100      | E   | -        | 2 € |
| SAMPLING<br>ACTIVITY         | SAMPLE               | MEDIA   | TYPE        | COLL SAMPLING PLANNED TYPE METHOD DATE | PLANNED     | AREA             | LOCATION                          | TYPE OF LOCATION  | (ft)                | 1          | AB E    | EA    | HG<br>MP      | 88             | 88      | <b>₩</b> | ₩.     | 5                              |      |      |       |  |  |      |               |        |          |     | 1        | П   |
| 50M050                       | REG/OC               | REG/OC GROUND WATER   | à           |  | 10/20/50    | INTEC            | MW-18                             | MONITORING WELL   | N/A                 | 2          | 2       | 2     | 2             | 2              | 2       | 2 2      | 2      | 7                              |      |      |       |  |  |      |               |        |          |     |          |     |
| 50M051                       | REG                  | GROUND WATER  | GRAB        |  | 10/20/50    | INTEC            | 07-SDSN                           | MONITORING WELL   | N/A                 | -          | -       | -     | _             | _              | -       | -        | -      | -                              |      |      |       |  |  |      |               |        |          |     |          |     |
| 504052                       | REG                  | GROUND WATER  | GRAB        |  | 10/20/50    | INTEC            | USGS-42                           | MONITORING WELL   | N/A                 | -          | -       | -     | -             | <u> </u>       | _       | -        | -      | 1                              |      |      |       |  |  |      |               |        |          |     |          |     |
| 504053                       | REG                  | GROUND WATER  | GRAB        |  | 10/20/50    | INTEC            | 25-SDSN                           | MONITORING WELL   | N/A                 | -          | -       | -     | -             | _              | -       | _        | -      | -                              |      |      |       |  |  |      |               |        | <u> </u> |     | <u> </u> |     |
| 50M054                       | REG                  | GROUND WATER  | GRAB        |  | 10/20/50    | INTEC            | 87-S9SN                           | MONITORING WELL   | N/A                 | -          | -       | -     | -             | -              | _       | -        | 1      | •                              |      |      |       |  |  |      |               |        |          |     |          |     |
| 50M055                       | REG                  | GROUND WATER  | GRAB        |  | 05/07/01    | INTEC            | 67-S9SN                           | MONITORING WELL   | K/N                 | -          | -       | -     | -             | -              |         | -        | -      | -                              |      |      |       |  |  |      |               |        |          |     |          |     |
| 50M056                       | REG                  | GROUND WATER  | GRAB        |  | 10//0/50    | INTEC            | USGS-51                           | MONITORING WELL   | K/A                 | -          | -       | -     | -             | -              | -       | -        | -      | -                              |      |      |       |  |  |      |               |        |          |     |          |     |
| 50M057                       | REG                  | GROUND WATER  | GRAB        |  | 10//0/50    | INTEC            | USGS-52                           | MONITORING WELL   | N/A                 | -          | -       | _     | -             | -              | -       | _        | •      | 1                              |      |      |       |  |  |      |               |        |          |     |          |     |
| 50M058                       | REG                  | GROUND WATER  | GRAB        |  | 10//0/50    | INTEC            | USGS-121                          | MONITORING WELL   | N/A                 | -          | -       |       | _             | -              | 1       |          | -      | -                              |      |      |       |  |  |      |               |        |          |     |          |     |
| 50M059                       | REG                  | GROUND WATER  | GRAB        |  | 05/07/01    | INTEC            | USGS-122                          | MONITORING WELL   | N/A                 | -          | -       | -     | -             | <del> </del> _ | -       | -        | -      | 1                              |      |      |       |  |  |      |               |        |          |     |          |     |
| . 50M060                     | REG                  | GROUND WATER  | GRAB        |  | 05/07/01    | INTEC            | USGS-123                          | MONITORING WELL   | N/A                 | -          | -       | _     |               | _              |         |          | 1      | 1                              |      |      |       |  |  |      |               |        |          |     |          |     |
| 50M061                       | REG                  | GROUND WATER  | GRAB        |  | 10/20/50    | INTEC            | 180                               | MONITORING WELL   | COMMENT             | -          | -       | -     | -             | -              | 1       | -        | -      |                                |      |      |       |  |  |      |               |        |          |     |          |     |
| 50M062                       | REG                  | GROUND WATER  | GRAB        |  | 05/07/01    | INTEC            | 180                               | MONITORING WELL   | COMMENT             | -          | -       | -     |               |                |         | 1        | -      | 1                              |      |      |       |  |  |      |               |        |          |     |          |     |
| 50M063                       | REG                  | GROUND WATER  | GRAB        |  | 05/07/01    | INTEC            | æ                                 | MONITORING WELL   | COMMENT             | -          | -       | 1     | -             | -              |         | -        | -      |                                |      |      |       | _  |  |      |               |        |          |     |          |     |
| 50M064                       | မွ                   | WATER   | RNST        |  | 10/20/50    | INTEC            | ည                                 | EQUIPMNT RINSTE   | N/A                 | -          | -       | -     | 1             | -              | _       | -        | -      | -                              |      |      |       |  |  |      |               |        |          |     | $\neg$   |     |
| The sampling<br>The complete | g activi<br>e sample | The sampling activity displayed on this table represents<br>The complete sample identification number (10 characters) | this number | table rep<br>er (10 cha                | resents the | ne first six cha | racters of the sield guidance for | the first six characters of the sample identification number.           | ion number<br>bels. |            |         |       | Ü             | <b>x</b>       | COMMENT | S        |        |                                |      |      |       |  |  |      |               |        |          |     |          |     |
| AT1: Am-241                  |                      |   |             |  |             | AT11:            |                                   |   |                     |            |         |       |               | 8              | ell sa  | moles    | shal   | 8                              | aken | from | a dep | 윰  | TBD well samples shall be taken from a depth below the HI interbed | =    | Inter         | ped    |          | - 1 |          |     |
| AT2: Gross                   | Gross Alpha/Beta     | eta   |             |  |             | AT12:            |                                   |   |                     |            |         |       |               |                |         |          |        |                                |      |      |       |  | -  |      |               |        |          |     |          |     |
| AT3: Tc-99                   |                      |   |             |  |             | AT13:            |                                   |   |                     |            |         |       | <u>.</u><br>1 | ļ              | į       |          |        |                                |      |      |       |  |  |      |               |        | - 1      | - 1 | - 1      |     |
|                              | 2                    |   |             |  |             | AT14:            |                                   |   |                     |            | .       |       | <u>.</u>      |                |         |          |        |                                |      |      |       |  |  |      |               |        | İ        | 1   |          |     |
| AT5: Np-237                  | 7                    |   |             |  |             | ATT5:            |                                   |   |                     |            |         |       | <u>-</u>      |                |         |          |        |                                |      |      |       |  |  |      |               |        |          | - 1 | - 1      |     |
| AT6: Iritium                 | 5                    |   |             |  |             | AT16:            |                                   |   |                     |            |         |       |               |                |         |          |        |                                |      |      |       |  | 1  |      |               |        | - 1      | - 1 |          |     |
| AT7: Stron                   | Strontium-90         |   |             |  |             | AT17:            |                                   |   |                     |            |         |       | - 1           |                | l       |          |        |                                |      | 1    |       |  | ŀ  |      |               |        |          | - 1 | ı        | - 1 |
| AT8: Pu Is                   | Pu isotopes          | -   |             |  |             | AT18:            |                                   |   |                     |            |         |       | <u> </u>      |                |         |          |        |                                |      |      |       |  |  |      |               |        |          | ŀ   | - 1      |     |
| AT9: Iodin                   | 1odine-129           |   |             |  |             | AT19:            |                                   |   |                     |            |         |       | I             |                |         |          |        | ļ                              |      |      |       |  |  |      |               | -      |          | - 1 | - 1      |     |
|                              | Uranium Isotopes     | sado  |             |  |             | AT20:            |                                   |   |                     |            |         |       |               |                |         |          |        |                                |      |      |       |  |  |      |               |        |          | 1   |          |     |
|                              | -                    |   |             |  |             |                  |                                   |   |                     |            |         |       |               |                |         |          |        |                                |      |      |       |  |  |      |               |        |          |     |          |     |

| SAMPLE DESCRIPTION   SAMPLE   DESCRIPTION  | COLL SAMPLING F F METHOD GRAB GRAB GRAB GRAB GRAB GRAB GRAB GRAB | PLANNED BATE 11/05/01 11/05/01 11/05/01 11/05/01 11/05/01 11/05/01 11/05/01 11/05/01 11/05/01 11/05/01 11/05/01 11/05/01                     | NYEC INTEC | SAMPLE LOCATION  LOCATION  MA-18  MA-18  MONITOR  USGS-42  MONITOR  USGS-42  MONITOR  USGS-42  MONITOR  USGS-42  MONITOR  USGS-51  MONITOR  USGS-121  MONITOR  USGS-122  MONITOR  USGS-122  MONITOR  USGS-123  MONITOR  USGS-123  MONITOR  USGS-123  MONITOR  USGS-124  MONITOR  USGS-125  MONITOR  USGS-125  MONITOR  USGS-125  MONITOR  USGS-127  MONITOR | INO WELL ING | M/A N/A N/A N/A N/A N/A N/A N/A N/A N/A N | A41 A12 A4 A8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | A13  | A15 A15 A15 A15 A15 A15 A15 A15 A15 A15 |                 | S AT7  | AT8    | S TYPES | IT10 AT1 | AND QUA | ENTER AMALYSIS TYPES (AT) AND QUANTITY REQUESTED 6 AT7 AT8 AT9 AT10 AT11 AT12 AT13 AT14 AT15 AT16 AT17 AT18 AT19 AT20 | <u>a</u>  | AT 18 AT 10 |
|--|--|--|--|---|--|---|---|--|---|-----------------|--|--------|---------|----------|---------|---|---|-------------|
| PLING   SAMPLE   TYPE   MEDIA   MATER   GI   MATA   REG   GROUND WATER   GI   MATA   GI   M   | OLL SAMPLING RAB RAB RAB RAB RAB RAB RAB RAB RAB RAB             | PLANKED DATE 11/05/01 11/05/01 11/05/01 11/05/01 11/05/01 11/05/01 11/05/01 11/05/01 11/05/01 11/05/01 11/05/01 11/05/01 11/05/01            | AREA INTEC INTEC INTEC INTEC INTEC INTEC INTEC INTEC INTEC INTEC INTEC INTEC INTEC INTEC   |   |  |   |   | AT3  AT3  AT4  AT7  AT7  AT7  AT7  AT7  AT7  AT7 |   |                 | A17  | A78    | AT9 A1  | 10 AT1   | 1 AT12  | AT13 AT14 AT  |   | ATTR ATT    |
| 1717   | 77F METHOD RAB RAB RAB RAB RAB RAB RAB RAB RAB RAB               | 11/05/01<br>11/05/01<br>11/05/01<br>11/05/01<br>11/05/01<br>11/05/01<br>11/05/01<br>11/05/01<br>11/05/01<br>11/05/01<br>11/05/01<br>11/05/01 | NYEC INTEC   |   |  |   |   | <b>5</b>   |   | <del></del>     | <del>                                     </del> | į      | ╌       | ¥        |         |   | 15 AT 16 AT 17  |             |
| #070 REG GROUND WATER GF #071 REG GROUND WATER GF #072 REG GROUND WATER GF #073 REG GROUND WATER GF #075 REG GROUND WATER GF #077 REG GROUND WATER GF #077 REG GROUND WATER GF #077 REG GROUND WATER GF #077 REG GROUND WATER GF #077 REG GROUND WATER GF #078 REG GROUND WATER | RAB RAB RAB RAB RAB RAB RAB RAB RAB RAB                          | 11/05/01<br>11/05/01<br>11/05/01<br>11/05/01<br>11/05/01<br>11/05/01<br>11/05/01<br>11/05/01<br>11/05/01<br>11/05/01<br>11/05/01<br>11/05/01 | INTEC INTEC INTEC INTEC INTEC INTEC INTEC INTEC INTEC INTEC INTEC INTEC INTEC  |   | <u> </u>   |   |   |  |   |                 | <b> </b>   | ±      |         | _        |         |   |   |             |
| #072 REG GROUND WATER GF W072 REG GROUND WATER GF W073 REG GROUND WATER GF W074 REG GROUND WATER GF W076 REG GROUND WATER GF W077 REG GROUND WATER GF W077 REG GROUND WATER GF W078 REG GROUND WATER GF W080 REG/QC GROUND WATER GF W081 REG GROUND WATER GF W081 REG GROUND WATER GF W082 REG GROUND WATER GF W082 REG GROUND WATER GF W082 REG GROUND WATER GF W082 REG GROUND WATER GF W092 ACT CALLY GEOLUTE GROUND WATER GF W092 ACT CALLY GEOLUTE GF W092 ACT CALLY GF WATER GF W092 ACT CALLY GF W092 AC | RAB RAB RAB RAB RAB RAB RAB RAB RAB RAB                          | 11/05/01<br>11/05/01<br>11/05/01<br>11/05/01<br>11/05/01<br>11/05/01<br>11/05/01<br>11/05/01<br>11/05/01<br>11/05/01<br>11/05/01<br>11/05/01 | INTEC INTEC INTEC INTEC INTEC INTEC INTEC INTEC INTEC INTEC  |   | <del> </del>   |   |   |  |   |                 |  | -      | -       | -        |         |   |   |             |
| #072 REG GROUND WATER GF W073 REG GROUND WATER GF W074 REG GROUND WATER GF W075 REG GROUND WATER GF W076 REG GROUND WATER GF W077 REG GROUND WATER GF W077 REG GROUND WATER GF W080 REG/GC GROUND WATER GF W082 REG GROUND WATER GF W082 REG GROUND WATER GF W082 REG GROUND WATER GF W084 QC HATER RIANGEL GROUND WATER GF W084 QC HATER RIANGEL GROUND WATER GF W084 QC HATER RIANGEL GROUND WATER GF W082 REG GROUND WATER GF W082 REG GROUND WATER GF W082 REG GROUND WATER GF W082 ACC HATER RIANGEL GF W084 QC HATER GF W084 QC HATER GF W084 QC HATER GF W084 CF W4TER RIANGEL GF W084 CF W4TER GF W084 CF W4TER GF W084 CF W4TER GF W084 CF W4TER GF W084 CF W4TER GF W084 CF W4TER GF W085 ACC HATER GF W085 AC | RAB RAB RAB RAB RAB RAB RAB RAB RAB RAB                          | 11/05/01<br>11/05/01<br>11/05/01<br>11/05/01<br>11/05/01<br>11/05/01<br>11/05/01<br>11/05/01<br>11/05/01                                     | INTEC INTEC INTEC INTEC INTEC INTEC INTEC INTEC INTEC INTEC  |   | <del>          -</del>   |   | <del>                                     </del>  |  |   |                 | -  | -      | -       | _        |         |   |   |             |
| #073 REG GROUND WATER GG #074 REG GROUND WATER GG #077 REG GROUND WATER GG #077 REG GROUND WATER GG #077 REG GROUND WATER GG #078 REG GROUND WATER | RAB RAB RAB RAB RAB RAB RAB RAB RAB RAB                          | 11/05/01<br>11/05/01<br>11/05/01<br>11/05/01<br>11/05/01<br>11/05/01<br>11/05/01<br>11/05/01<br>11/05/01                                     | INTEC INTEC INTEC INTEC INTEC INTEC INTEC INTEC INTEC  |   |  |   | <del></del>                                       |  |   |                 | -  | -      | -       | -        |         |   |   |             |
| #074 REG GROUND WATER GF WO75 REG GROUND WATER GF WO77 REG GROUND WATER GF WO77 REG GROUND WATER GF WO77 REG GROUND WATER GF WO79 REG GROUND WATER GF WO89 REG GROUND WATER GF WO83 REG GROUND WATER GF WO83 REG GROUND WATER GF WO84 Or the sampling activity displayed on the complete sample identification numbers. Amplete ampling activity displayed on the complete sample identification numbers. Amplete ample e amplete am | RAB<br>RAB<br>RAB<br>RAB<br>RAB<br>RAB<br>RAB<br>RAB             | 11/05/01<br>11/05/01<br>11/05/01<br>11/05/01<br>11/05/01<br>11/05/01<br>11/05/01<br>11/05/01   | INTEC INTEC INTEC INTEC INTEC INTEC INTEC INTEC  |   | <del> </del>   |   | <del>                                     </del>  |  |   |                 | -  | _      | -       | -        |         |   |   |             |
| MO75   REG GROUND WATER GROWN WATER GROWND   | RAB<br>RAB<br>RAB<br>RAB<br>RAB<br>RAB<br>RAB                    | 11/05/01<br>11/05/01<br>11/05/01<br>11/05/01<br>11/05/01<br>11/05/01<br>11/05/01   | INTEC INTEC INTEC INTEC INTEC INTEC INTEC  |   | <del> </del>   |   | <del> </del>                                      |  |   |                 | -  | -      | -       | -        |         |   |   |             |
| #076 REG GROUND WATER GR #077 REG GROUND WATER GG #077 REG GROUND WATER GG #0789 W087 REG GROUND WATER GG #082 REG GROUND | RAB<br>RAB<br>RAB<br>RAB<br>RAB<br>RAB<br>RAB                    | 11,05,01<br>11,05,01<br>11,05,01<br>11,05,01<br>11,05,01   | INTEC INTEC INTEC INTEC INTEC INTEC  |   | <del></del>  |   |   |  | <del>   </del>                          | -               | -  | -      | -       |          |         |   |   |             |
| #077 REG GROUND WATER GG #078 REG GROUND WATER GG #079 REG GROUND WATER GG #080 REG/GC GROUND WATER GG #081 REG GROUND WATER GG #083 REG GROUND WATER GG #084 QC WATER RI #084 QC WATER RI #085 Alpha/Beta  IC-99 #0-237   | RAB<br>RAB<br>RAB<br>RAB<br>RAB<br>RAB                           | 11/05/01<br>11/05/01<br>11/05/01<br>11/05/01<br>11/05/01   | INTEC<br>INTEC<br>INTEC<br>INTEC   |   | <del>                                     </del>   |   | <del>                                     </del>  |  | -                                       | -               | -  | -      | -       | -        |         |   |   |             |
| MOTOR         REG         GROUND WATER         GE           MOBO         REG, GROUND WATER         GI           MOBO         REG, GROUND WATER         GI           MOBO         REG         GROUND WATER         GI           MOBO         REG         GROUND WATER         GI           MOBO         REG         GROUND WATER         GI           MOBO         REG         GROUND WATER         GI           MOBO         QC         WATER         RR           MODO         WATER         RR         RR           Groundling         activity         displayed on th         Alm-241           Gross Alpha/Beta         Ic-99         Alm-241         Alm-241           Ic-99         Mercury         Mercury         Alpha/Beta  | RAB UP RAB RAB RAB RAB RAB RAB                                   | 11/05/01<br>11/05/01<br>11/05/01<br>11/05/01   | INTEC<br>INTEC<br>INTEC  |   | <del></del>  |   | +   |  | -                                       | -               | -  | -      | -       | -        |         |   |   |             |
| #050 REG GROUND WATER GI #080 REG/GC GROUND WATER GI #082 REG GROUND WATER GI #083 REG GROUND WATER GI #084 QC WATER RI #084 QC WATER RI #085 QC HATER RI #085 ALpha/Beta  IC-99  Mercury  Mercury   | UP RAB RAB RAB RAB RAB   | 11/05/01<br>11/05/01<br>11/05/01<br>11/05/01   | INTEC  |   |  |   | $\sqcup \bot \bot$                                | 1  | <b></b>                                 | -               | -  | -      | -       | -        |         |   |   |             |
| WOB0         REG/DC (GROUND WATER GG           WOB1         REG         GROUND WATER GG           WOB2         REG         GROUND WATER GG           WOB3         REG         GROUND WATER GG           MOB4         QC         WATER RI           AMP6         QC         WATER RI           Ampling activity displayed on the complete sample identification numbers           Amr241         Gross Alpha/Beta           IC-99         Mercury           Mercury   | UP<br>RAB<br>RAB<br>NST  | 11/05/01<br>11/05/01<br>11/05/01   | INTEC  |   | -  | -   | $\vdash$  | +  | -                                       | -               | _  | -      | -       | -        |         |   |   |             |
| WOB1         REG         GROUND WATER         GR           WOB2         REG         GROUND WATER         GR           WOB4         QC         WATER         RI           MOB4         QC         WATER         RI           ampling activity displayed on the complete sample identification numbers         Am-241         Gross Alpha/Beta           Am-241         Gross Alpha/Beta         IC-99         Mercury           Mercury         Mercury         Mercury   | RAB<br>RAB<br>NST  | 11/05/01   | INTEC  |   | ┺-   | - THERE                                   |   | ~  | 2                                       | 2 2             | ~  | 2      | 2       | 2        |         |   |   |             |
| WOB2         REG         GROUND WATER         GR           WOB4         QC         WATER         GR           MOB4         QC         WATER         RR           Ampling activity displayed on the complete sample identification numbers         Amplication numbers           Amplication         Amplication         Amplication           Gross Alpha/Beta         Ic-99           Mercury         Mercury   | RAB<br>RAB<br>NST  | 11/05/01   |  |   | MONITORING WELL CO   | Charles                                   | _   | -  | -                                       | -               | -  | -      | -       | -        |         |   |   |             |
| MOB3         REG         GROUND WATER         GR           MOB4         QC         LANTER         RR           ampling activity displayed on the complete sample identification numbers.         Am-241         Gross Alpha/Beta           Am-241         Gross Alpha/Beta         Lc-99           Mercury         Mercury   | RAB  |  | INTEC  | 8   | MONITORING WELL CO   | COMMENT                                   | -   | -  | -                                       | -               | -  | -      | -       | -        |         |   |   |             |
| MOB4   QC   WATER   Ri<br>ampling activity displayed on th<br>complete sample identification nu<br>Am-241<br>Gross Alpha/Beta<br>Ic-99<br>Mercury  | NST  | 11/05/01   | INTEC  | 85  | MONITORING WELL CO   | COMMENT                                   | -   | -  | -                                       |                 | _  | -      | -       | -        |         |   |   |             |
| ampling activity displayed on thi complete sample identification number-241  Gross Alpha/Beta  1c-99  Mercury  Np-237  |  | 11/05/01   | INTEC  | 36  | EQUIPMNT RINSTE  | N/A                                       | 1   | -  | -                                       | -               | -  | -      | -       | -        |         |   |   |             |
|  | is table rep<br>mber (10 cha                                     | resents the<br>racters) wil  | first six chare<br>l appear on fie   | acters of the sai<br>ald guidance for   | mple identification<br>ms and sample label   | n number.<br>its.                         |   |  |   | :               |  |        |         |          |         |   |   |             |
|  |  |  |  |   |  |   |   |  | <u>ب</u>                                | S L Z B Z E O J | <br>   | s      |         |          |         |   |   |             |
|  |  |  | AT11:  |   |  |   |   |  | -                                       | TBD well        | Same   | les sh | all be  | taken    | from a  | depth below   | samples shall be taken from a depth below the HI interbed | bed.        |
|  |  |  | AT12:  |   |  |   | ***************************************           |  | <u>'</u><br>                            |                 |  |        |         |          |         |   |   |             |
|  |  |  | ATT3:  |   |  |   |   |  | <u>'</u><br>ا                           |                 |  |        |         |          |         |   |   |             |
|  |  |  | A114:  |   |  |   |   |  |   |                 |  |        |         |          |         |   |   |             |
|  |  |  | AT15:  |   |  |   | -   |  |   |                 |  |        |         |          |         |   |   |             |
| Tritium  |  |  | AT16:  |   |  |   |   |  | - 1                                     |                 |  |        |         |          |         |   |   |             |
| Strontium-90   |  |  | AT17:  |   |  |   |   |  |   |                 |  |        |         |          |         |   |   |             |
| Pu Isotopes  |  |  | AT18:  |   |  |   |   |  |   |                 |  |        |         |          |         |   |   |             |
| AT9: Lodine-129  |  |  | AT19:  |   |  |   |   |  | !<br>                                   |                 |  |        | -       |          |         |   |   |             |
| AT10: Uranium Isotopes   |  |  | AT20:  |   |  |   |   |  | <br>                                    |                 |  |        |         |          |         |   |   |             |
|  |  |  |  |   |  |   |   |  | :<br>                                   |                 |  |        |         |          |         |   |   |             |

| Plan Table Number:       | e Number:              | NAG3GROUP5(RD4)                      | <b>.</b> |                                 |   | SAMPLING  | AND ANALYSIS PI                | SAMPLING AND ANALYSIS PLAN TABLE FOR CHEMICAL AND RADIOLOGICAL ANALYSIS | HICAL AND           | RAD 10L    | OGICAL       | ANAL  | YSIS           |      |          |             |           |                                |  |       |       |        |              |      |       | Page 1     | -     | -    |
|--------------------------|------------------------|--------------------------------------|----------|---------------------------------|---|---|--------------------------------|---|---------------------|------------|--------------|-------|----------------|------|----------|-------------|-----------|--------------------------------|--|-------|-------|--------|--------------|------|-------|------------|-------|------|
| Date: 0                  | 5/18/00                | Plan Table Revision:                 | Revis    | sion: 0.0                       | 0                                       | Project:  | WAG 3 GROUP !                  | WAG 3 GROUP 5 OPERATION AND MAINTENANCE - ROUND 4                       | AINTENANCE          | - 30       | <b>N</b> 0 4 | ,     |                | Proj | ect M    | anage       | r: C.     | Project Manager: C. J. ROBERTS | BERTS  |       |       | Ş<br>Ş | SMO Contact: | -3   |       | D. JACKSON | æ     |      |
|                          | 22                     | SAMPLE DESCRIPTION                   | _        |                                 |   |   | SAMPLE LOCATION                | OCATION   |                     |            |              |       |                |      | ENTER    | ANAL        | YSIS      | TYPES                          | ENTER ANALYSIS TYPES (AT) AND QUANTITY REQUESTED                   | 3     | MTITY | REGI   | ESTED        | _    |       |            |       |      |
|                          | Г                      |                                      |          |                                 |   |   |                                |   |                     | AT1 AT2    | T2 AT3       | 3 AT4 | 4 AT5          |      | 9 V      | AT6 AT7 AT8 |           | PAT.                           | AT9 AT10 AT11 AT12 AT13 AT14 AT15 AT16 AT17 AT18 AT19 AT20         | AT12  | AT 13 | AT14   | AT15         | AT16 | AT17  | AT 18      | AT 19 | AT20 |
| SAMPLING                 | SAMPLE                 | MEDIA                                | 3E       | SAMPLING PLANNED<br>METHOD DATE | PLANNED<br>DATE                         | AREA  | LOCATION                       | TYPE OF<br>LOCATION   | (ft)                | *          | -            | 4     | ¥              | 9    | m        | <u>~</u>    | <u>۳</u>  | .≅<br>¥                        | <u> </u>   |       | Τ     |        |              | Τ    |       |            |       |      |
| 504090                   | REG                    | GROUND WATER                         | GRAB     |                                 | 05/06/02                                | INTEC   | MJ-18                          | MONITORING WELL   | N/A                 | -          | -            | -     | -              | -    | -        | -           | -         | -                              |  |       |       |        |              |      |       |            |       |      |
| 50M091                   | REG                    | GROUND WATER                         | GRAB     |                                 | 05/06/02                                | INTEC   | 02-sosn                        | MONITORING WELL   | N/A                 | -          | -            | -     | -              | -    | -        |             | <b>-</b>  | -                              |  |       |       |        |              |      |       |            |       |      |
| 50M092                   | REG                    | GROUND WATER                         | GRAB     |                                 | 05/06/02                                | INTEC   | USGS-42                        | MONITORING WELL   | K/A                 | -          |              | -     | _              | -    | -        | -           | -         | -                              |  |       |       |        |              |      |       |            |       | Ī    |
| 50M093                   | REG/QC                 | REG/QC GROUND WATER                  | à        |                                 | 05/06/02                                | INTEC   | 27-S9SN                        | MONITORING WELL   | N/A                 | 2          | 2            | 7     | 2              | 7    | 2        | 7           | ~         | 2 2                            |  |       |       |        |              |      |       |            |       |      |
| 50M094                   | REG                    | GROUND WATER                         | GRAB     |                                 | 05/06/02                                | INTEC   | 87-S9SN                        | MONITORING WELL   | N/A                 | -          |              | -     | -              | -    | -        | -           | <b></b> - | -                              |  |       |       |        |              |      |       |            |       |      |
| 50M095                   | REG                    | GROUND WATER                         | GRAB     |                                 | 05/06/02                                | INTEC   | 67-SBSN                        | MONITORING WELL   | N/A                 | -          | -            |       | -              | _    | -        | -           | -         | 1                              | 1  |       |       |        |              | ,    |       |            |       |      |
| 50M096                   | SEG.                   | GROUND MATER                         | GRAB     |                                 | 05/06/02                                | INTEC   | USGS-51                        | MONITORING WELL   | N/A                 | •~-        | -            |       | -              | -    | _        | _           | -         | 1                              |  |       |       |        |              |      |       |            |       |      |
| 50M097                   | REG                    | GROUND WATER                         | GRAB     |                                 | 05/06/02                                | INTEC   | USGS-52                        | MONITORING WELL   | N/A                 | -          | -            | -     | -              | -    | <b>—</b> | -           |           | -                              | 1  |       |       |        |              |      |       |            |       |      |
| 50M098                   | REG                    | GROUND WATER                         | GRAB     |                                 | 05/06/02                                | INTEC   | USGS-121                       | MONITORING WELL   | N/A                 | -          | -            | -     | -              | -    | -        | -           | -         | -                              | _  |       |       |        |              |      |       |            |       |      |
| 50M099                   | REG                    | GROUND WATER                         | GRAB     |                                 | 05/06/02                                | INTEC   | USGS-122                       | MONITORING WELL   | N/A                 | -          | -            |       | -              | -    | -        | -           | -         | -                              | _  |       |       |        |              |      |       |            |       |      |
| 50M100                   | REG                    | GROUND WATER                         | GRAB     |                                 | 05/06/02                                | INTEC   | USGS-123                       | MONITORING WELL   | N/A                 | -          | -            |       | -              | -    | -        | _           | -         | -                              |  |       |       |        |              |      |       |            |       |      |
| 50M101                   | REG                    | GROUND WATER                         | GRAB     |                                 | 05/06/02                                | INTEC   | <b>T80</b>                     | MONITORING WELL   | COMMENT             | -          |              | -     | -              | 1    | -        | -           | -         |                                | -  |       |       |        |              |      |       |            |       |      |
| 50M102                   | SEG.                   | GROUND WATER                         | GRAB     |                                 | 05/06/02                                | INTEC   | <b>B</b> E                     | MONITORING WELL   | COMMENT             | 1          | -            | -     |                | -    | -        | _           |           | -                              |  |       |       |        |              |      |       |            |       |      |
| 50M103                   | REG                    | GROUND WATER                         | GRAB     |                                 | 05/06/02                                | INTEC   | 180                            | MONITORING WELL   | COMMENT             | -          | -            | -     |                | -    | -        | -           |           |                                | 1  |       |       |        |              |      |       |            |       |      |
| 50M104                   | ည္မ                    | WATER                                | RNST     |                                 | 05/06/02                                | INTEC   | 36                             | EQUIPMNT RINSTE   | N/A                 | -          | -            | -     | _              | _    | -        | _           | =         | -                              | -  |       |       |        |              |      |       |            |       |      |
| The sample<br>The comple | ing activ<br>ete sampl | ity displayed on<br>e identification | this     | table rep<br>r (10 chai         | resents t<br>racters)                   | The sampling activity displayed on this table represents the first six characters of the sample identification number. The complete sample identification number (10 characters) will appear on field guidance forms and sample labels. | acters of the seld guidance fo | ample identificat<br>rms and sample la                                  | ion number<br>bels. | , <b>.</b> |              |       | Ū              | × 0  | ≥€<br>   | COMMENTS    |           |                                | ÷  |       |       |        |              |      |       |            |       |      |
| AT1: Am-241              | 241                    |                                      |          |                                 |   | AT11:   |                                |   |                     |            |              |       |                | 180  | ells     | amples      | sha       | 8                              | IBD well samples shall be taken from a depth below the HI interbed | rom a | dept  | ag c   | OF Th        | Ŧ    | inter | g          |       |      |
| AT2: Gros                | Gross Alpha/Beta       | Beta                                 |          |                                 |   | AT12:   |                                |   | -                   | İ          |              | ļ     | <u>.</u>       |      |          |             |           |                                |  |       |       |        |              |      |       |            |       | Ī    |
| AT3: Tc-99               | 85                     |                                      |          |                                 |   | AT13:   |                                |   |                     |            |              |       |                |      |          |             |           |                                |  |       |       |        |              |      |       |            |       |      |
| AT4: Mercury             | Sury                   |                                      |          |                                 |   | AT14:   |                                |   |                     |            |              |       |                |      | ľ        |             |           |                                |  |       |       |        |              |      |       |            |       |      |
| AT5: Np-237              | 237                    |                                      |          |                                 |   | AT15:   |                                |   |                     |            |              |       | · ·            |      |          |             |           |                                |  |       | ı     |        |              |      |       |            |       |      |
| AT6: Trit                | Tritium                |                                      |          |                                 |   | AT16:   |                                |   |                     |            |              |       |                |      |          |             |           |                                |  |       |       |        |              | l    |       |            |       |      |
| AT7: Str                 | Strontium-90           |                                      |          |                                 | *************************************** | AT17:   |                                |   |                     |            |              |       | <u>.</u>       |      |          |             |           | ĺ                              |  |       |       |        |              |      |       | l          |       | 1    |
| AT8: Pu                  | Pu Isotopes            |                                      |          |                                 |   | AT18:   |                                |   |                     |            |              |       |                |      |          |             |           |                                |  |       |       |        |              |      |       |            |       |      |
| AT9: 10d                 | 10dine-129             |                                      |          |                                 |   | AT19:   |                                |   |                     |            |              |       | . <u></u><br>1 |      |          |             | ŀ         |                                |  |       |       |        |              |      |       |            | İ     |      |
| AT10: Urar               | Uranium Isotopes       | opes                                 |          |                                 |   | AT20:   |                                |   |                     |            |              |       |                |      |          |             |           |                                |  |       |       |        |              | . :  |       |            |       |      |
|                          |                        |                                      |          |                                 |   |   |                                |   |                     |            |              |       | i              |      |          | İ           |           |                                |  |       |       |        |              |      |       |            |       |      |

| Plan Table W<br>SAP Number: | Number  | Plan Table Number: WAG3GROUP5(RD1)<br>SAP Number: | £I                   |            | SAMPLIN  | G AND ANALYSIS PI | SAMPLING AND ANALYSIS PLAN TABLE FOR CHEMICAL AND RADIOLOGICAL ANALYSIS | CAL AND       | RADIOL | .0G1CAI | L ANA! | YSIS    |       |        |       |        |                                |  |         |        |        |                            | Pag    | 9     | Page 1 of 4 | 4             |
|-----------------------------|---------|---|----------------------|------------|----------|-------------------|---|---------------|--------|---------|--------|---------|-------|--------|-------|--------|--------------------------------|--|---------|--------|--------|----------------------------|--------|-------|-------------|---------------|
| Date: 05/17/00              | /17/00  | Plan Tabl   | Plan Table Revision: | 0.0        | Project; |                   | WAG 3 GROUP 5 OPERATION AND MAINTENANCE - ROUND                         | NTENANCE      | , 80L  | 2       |        |         | Proje | ect Ma | ager: | Ç.     | Project Manager: C. J. ROBERIS | SI   |         | SWO    | ontact | SMO Contact: J. D. JACKSON | D. JAC | X SON |             |               |
|                             | ळ       | SAMPLE DESCRIPTION                                | *                    |            |          | SAMPLE 1          | SAMPLE LOCATION   |               |        |         |        |         | "     | NTER   | MALYS | IS TYF | ES (AT                         | ENTER AWALYSIS TYPES (AT) AND QUANTITY REQUESTED       | UANTIT  | Y REOL | ESTED  |                            |        |       |             |               |
| CAUDI THE                   | O TONTO |   | 100                  |            |          |                   | -   | <u> </u>      | A11 A  | AT2 A   | AT3 A1 | AT4 AT5 | 5 AT6 | S AT7  | A78   | AT9    | AT10 A                         | AT10 AT11 AT12 AT13 AT14 AT15 AT16 AT17 AT18 AT10 AT20 | 2 AT13  | AT14   | AT15   | AT16 A                     | 117 41 | 18    | 10          | TE            |
| ACTIVITY                    | TYPE    | MEDIA   | TYPE METHOD DATE     | NG PLANNED | AREA     | LOCATION          | TYPE OF<br>LOCATION   | OEPTH<br>(ft) | #      | A8 E    | EA     | ¥5<br>× | %P R8 | 3 88   | RF    | RI     | 5                              | -  | -       |        |        |                            | -      | 2     | -           | 3             |
| 50M001                      | REG     | GROUND WATER                                      | GRAB                 | 11/06/00   | INTEC    | 1CPP-MON-A021     | MONITORING WELL   | N/A           | -      | -       | -      | -       | E     | E      | -     | -      | -                              |  |         |        |        | 1                          | +      | -     | ╫           | 1             |
| 50M002                      | REG     | GROUND WATER                                      | GRAB                 | 11/06/00   | INTEC    | 1CPP-MON-A022     | MONITORING WELL   | N/A           | -      | -       | -      | +-      | +     | 1      | -     | -      | -                              | -  | ļ.,     |        |        | $\dagger$                  | +      | +     | +           | 1             |
| 50M003                      | REG     | GROUND WATER                                      | GRAB                 | 11/06/00   | INTEC    | USGS-20           | MONITORING WELL   | N/A           | -      | -       | -      | -       | -     | -      | -     | -      | -                              | -  | -       |        |        | $\top$                     | +      | +     | +-          | Т             |
| 50M004                      | REG     | GROUND WATER                                      | GRAB                 | 11/06/00   | INTEC    | 75-SDSU           | MONITORING WELL   | H/A           | -      | -       | -      | -       | -     | -      | -     | -      | -                              | +  | $\perp$ |        |        | T                          | +      | +-    | +           | T             |
| 504005                      | REG     | GROUND WATER                                      | GRAB                 | 11/06/00   | INTEC    | USGS-35           | MONITORING WELL   | N/A           | -      | -       | -      | -       | -     | 1      | -     | -      | -                              | -  | _       |        |        | $\dagger$                  | +      | +     | +           | T-            |
| 50M006                      | REG     | GROUND WATER                                      | GRAB                 | 11/06/00   | INTEC    | 9£-S9Sn           | MONITORING WELL   | N/A           | -      | -       | -      | -       | -     | Ė      | _     | -      | 1-                             | -  | -       |        |        | +-                         | +      | +     | +           | 1             |
| 50M007                      | REG/OC  | REG/QC GROUND WATER                               | dna                  | 11/06/00   | INTEC    | 18cs-37           | MONITORING WELL   | N/A           | 2      | 2       | 2      | ~       | 2 2   | 2 2    | 2     | ~      | 2                              | -  | _       |        | 1      | +                          | +      | +     | +           | T             |
| 50M008                      | REG     | GROUND WATER                                      | GRAB                 | 11/06/00   | INTEC    | USGS-38           | MONITORING WELL   | N/A           | -      | -       | -      | -       | -     | -      | _     | -      | -                              | -  | _       |        |        | +                          | -      | +     | -           |               |
| 50M009                      | REG     | GROUND WATER                                      | GRAB                 | 11/06/00   | INTEC    | 6E-SBSD           | MONITORING WELL   | N/A           | -      | -       | -      | -       | -     | -      | -     | -      | -                              | $\vdash$   | 1       |        | 1      | $\dagger$                  | ╁      | +     | -           | $\overline{}$ |
| 50M010                      | REG     | GROUND WATER                                      | GRAB                 | 11/06/00   | INTEC    | 05-SDS0           | MONITORING WELL   | N/A           |        | -       | -      | -       | -     | -      | -     | -      | -                              | -  | _       |        |        | T                          | +      | +     | +           | 7             |
| 50M011                      | REG     | GROUND WATER                                      | GRAB                 | 11/06/00   | INTEC    | USGS-41           | MONITORING WELL   | N/A           | -      | -       | -      | -       | F     | -      | -     | -      | -                              | -  | _       |        | 1      | $\dagger$                  | +      | -     | +           | 7             |
| 50M012                      | REG     | GROUND WATER                                      | GRAB                 | 11/06/00   | INTEC    | 75-S9SU           | MONITORING WELL   | N/A           | -      | -       | -      | -       | -     | -      | -     | -      | -                              | -  |         |        |        | $\dagger$                  | +      | +-    | +-          | 7             |
| 50M013                      | REG     | GROUND WATER                                      | GRAB                 | 11/06/00   | INTEC    | £7-595N           | MONITORING WELL   | N/A           |        | -       | -      | -       | -     | -      | -     | -      | -                              | -  | _       |        | 1      | $\dagger$                  | +      | ╁     | +-          | T             |
| 508014                      | REG     | GROUND WATER                                      | GRAB                 | 11/06/00   | INTEC    | 75-55             | MONITORING WELL   | N/A           | -      | -       | -      | -       | -     | -      | -     | -      | -                              | $\vdash$   | -       |        | T      | +                          | +-     | +     | +-          | 7             |
| 50%015                      | REG     | GROUND WATER                                      | GRAB                 | 11/06/00   | INTEC    | USGS-45           | MONITORING WELL   | N/A           | +      | -       | -      | -       | -     | -      | -     |        | -                              | -  | ļ_      |        | T      | +                          | +-     | +-    | +-          | T-            |

The sampling activity displayed on this table represents the first six characters of the sample identification number. The complete sample identification number (10 characters) will appear on field guidance forms and sample labels.

| AT1:  | A11: An-241            | A111: |  |
|-------|------------------------|-------|--|
| AT2:  | AT2: Gross Alpha/Beta  | A712: |  |
| AT3:  | AT3: Tc-99             | AT13: |  |
| AT4:  | AT4: Mercury           | A714: |  |
| AT5:  | Np-237                 | AT15; |  |
| AT6:  | AT6: Tritium           | AT16: |  |
| AT7:  | AT7: Strontium-90      | A117: |  |
| AT8:  | Pu Isotopes            | A718: |  |
| AT9:  | A19: lodine-129        | A719: |  |
| AT10; | AT10: Uranium Isotopes | A720; |  |

| Plan Table Number:           | umber:           | WAG3GROUP5(RD1)  | _1     |  |   | SAMPLING                             | AND ANALYSIS P                   | SAMPLING AND ANALYSIS PLAN TABLE FOR CHEMICAL AND RADIOLOGICAL ANALYSIS  | MICAL AND          | RADIO | L061C/ | L ANA | LYSIS        |               |             |               |          |                                |       |          |          |        |  |  | Pag      | Page 2  | 2 of | 7    |
|------------------------------|------------------|--|--------|--|---|--------------------------------------|----------------------------------|--|--------------------|-------|--------|-------|--------------|---------------|-------------|---------------|----------|--------------------------------|-------|----------|----------|--------|--|--|----------|---------|------|------|
| Date: 05/1                   | 2//00            | Plan Table Revision:   | Revis  | ion: 0.0                               |   | Project:                             | WAG 3 GROUP                      | WAG 3 GROUP 5 OPERATION AND MAINTENANCE - ROUND 1  | AINTENANCE         | 200   | UND 1  |       |              | Pro           | ect M       | anage         | .;<br>C. | Project Manager: C. J. ROBERIS | BERTS |          |          | SMO CC | SMO Contact:                                     | -;   | D. JA(   | JACKSON | *    |      |
|                              | SA               | SAMPLE DESCRIPTION   |        |  |   |                                      | SAMPLE                           | SAMPLE LOCATION  |                    |       |        |       |              |               | ENTER       | ANAL          | YSIS     | LYPES                          | (AT)  | S OS     | ANTIT    | Y REGI | ENTER ANALYSIS TYPES (AT) AND QUANTITY REQUESTED |  |          |         |      |      |
| Г                            |                  |  |        | T                                      |   |                                      |                                  |  |                    | AT1   | AT2 /  | AT3 A | AT4 AT       | ATS AT        | AT6 AT7     | 7 AT8         | 8 AT9    | _                              | DATT  | AT12     | AT13     | AT14   | AT15   | AT10 AT11 AT12 AT13 AT14 AT15 AT16 AT17 AT18 AT19 AT20 | T17 A    | 17.18   | AT19 | AT20 |
| SAMPLING                     | SAMPLE<br>TYPE   | MEDIA  | COLL   | COLL SAMPLING PLANNED TYPE METHOD DATE | PLANNED<br>DATE                         | AREA                                 | LOCATION                         | TYPE OF<br>LOCATION  | OEPTH<br>(ft)      | 7¥    | - I    |       |              | 9             |             |               |          | - 5                            |       |          |          |        |  |  |          |         |      |      |
| 50M016                       | REG              | GROUND WATER   | GRAB   |  | 11/06/00                                | INTEC                                | 97-S5SN                          | MONITORING WELL  | N/A                | -     | -      | ļ-    | -            | <del> -</del> | -           | <del> -</del> | -        | E                              |       |          |          |        |  | İ  |          | Kindon  | İ    |      |
| 50M017                       | REG              | GROUND WATER   | GRAB   |  | 11/06/00                                | INTEC                                | 25-S9SU                          | MONITORING WELL  | N/A                | -     | -      | -     | -            | -             | -           | -             | -        | -                              | -     |          | <u> </u> |        |  |  | $\vdash$ |         |      |      |
| 50M018                       | REG              | GROUND WATER   | GRAB   |  | 11/06/00                                | INTEC                                | 87-S9SN                          | MONITORING WELL  | N/A                | -     | -      | -     | -            | -             | -           |               | -        | -                              | ļ     |          |          |        |  |  | $\vdash$ |         |      |      |
| 50M019                       | REG              | GROUND WATER   | GRAB   |  | 11/06/00                                | INTEC                                | 6 <del>7</del> -S5SN             | MONITORING WELL  | N/A                |       | -      | -     | -            | -             |             | -             | -        | -                              | -     | -        |          |        |  |  |          |         |      |      |
| 50M020                       | REG              | GROUND WATER   | GRAB   |  | 11/06/00                                | INTEC                                | USGS-51                          | MONITORING WELL  | N/A                | -     | -      |       | -            |               | -           | -             | -        | -                              |       | _        |          |        |  |  | -        |         |      |      |
| 504021                       | REG              | GROUND WATER   | GRAB   |  | 11/06/00                                | INTEC                                | USGS-52                          | MONITORING WELL  | N/A                | -     | -      | -     | -            | -             | -           | -             | -        | -                              |       |          | <u> </u> |        |  |  | $\vdash$ |         | _    |      |
| 504022                       | REG              | GROUND WATER   | GRAB   |  | 11/06/00                                | INTEC                                | USGS-57                          | MONITORING WELL  | N/A                | -     | -      | -     | -            |               | -           | -             | -        | -                              | -     | _        |          |        |  |  | -        |         |      |      |
| 50M023                       | REG              | GROUND WATER   | GRAB   |  | 11/06/00                                | INTEC                                | USGS-59                          | MONITORING WELL  | N/A                | -     | -      | -     |              | -             | -           |               | -        | -                              |       |          | <u> </u> |        |  |  | $\vdash$ |         |      |      |
| 50M024                       | REG              | GROUND WATER   | GRAB   |  | 11/06/00                                | INTEC                                | 29-S5SN                          | MONITORING WELL  | N/A                | -     | -      | -     | -            | -             | -           | -             | -        | -                              | -     | -        | _        |        |  | T  | -        |         |      |      |
| SOM025                       | REG              | GROUND WATER   | GRAB   |  | 11/06/00                                | INTEC                                | LSGS-77                          | MONITORING WELL  | N/A                | -     | -      | -     | -            | -             | -           | -             | -        | -                              | -     | -        |          |        |  | <u> </u>   | -        |         |      |      |
| 50M026                       | REG              | GROUND WATER   | GRAB   |  | 11/06/00                                | INTEC                                | USGS-82                          | MONITORING WELL  | N/A                | -     | -      | -     | -            | -             | -           | +=            | -        | -                              | -     | <u> </u> |          |        |  |  |          |         |      |      |
| 50M027                       | REG              | GROUND WATER   | GRAB   |  | 11/06/00                                | INTEC                                | NSGS-84                          | MONITORING WELL  | N/A                | -     | -      | -     | -            |               | -           | -             | -        | -                              | -     | _        | ļ        |        |  |  | $\vdash$ |         |      |      |
| 50M028                       | REG              | GROUND WATER   | GRAB   |  | 11/06/00                                | INTEC                                | USGS-85                          | MONITORING WELL  | N/A                | -     | -      | -     | -            | -             | -           | -             | -        | -                              | -     | ļ        | <u> </u> |        |  | T  | $\vdash$ |         |      |      |
| 50M029                       | REG              | GROUND WATER   | GRAB   |  | 11/06/00                                | INTEC                                | USGS-111                         | MONITORING WELL  | N/A                | *     | -      | -     |              | -             | -           | -             | _        | -                              | -     |          |          |        |  |  | -        |         |      |      |
| 50M030                       | REG              | GROUND WATER   | GRAB   |  | 11/06/00                                | INTEC                                | USGS-112                         | MONITORING WELL  | N/A                | -     | 1      | •     |              | -             | -           |               | -        | -                              |       |          |          |        |  |  |          |         |      |      |
| The sampling<br>The complete | activî<br>sample | ty displayed on<br>identification  | this t | table repr                             | esents the<br>acters) wi                | :first six chara<br>ll appear on fie | cters of the s<br>ld guidance fo | The sampling activity displayed on this table represents the first six characters of the sample identification number.<br>The complete sample identification number (10 characters) will appear on field guidance forms and sample labels.   | ion numbe<br>bels. | ċ     |        |       |              | ¥<br>0 0<br>3 | Σ<br>Π<br>S | S             |          |                                |       |          | ·        |        |  |  |          |         |      |      |
| AT1: Am-241                  |                  |  |        |  |   | ATT11:                               |                                  |  |                    |       |        |       | <u> </u>     |               |             |               |          |                                |       |          |          |        |  |  |          |         |      |      |
| AT2: Gross Alpha/Beta        | Upha/B           | eta  |        |  |   | AT12:                                |                                  |  |                    |       |        |       |              |               |             |               |          |                                |       |          |          |        |  |  |          |         |      |      |
| AT3: Tc-99                   |                  |  |        |  |   | AT13:                                |                                  |  |                    |       |        |       |              |               |             |               |          |                                |       |          |          |        |  |  |          |         |      |      |
| AT4: Mercury                 |                  |  | *      | -                                      |   | A714:                                |                                  |  |                    |       |        |       | <br>         |               |             |               |          |                                |       |          |          |        |  |  |          |         |      |      |
| AT5: Np-237                  |                  | ***************************************  |        |  |   | AT15:                                |                                  |  |                    |       |        |       | <u>·</u><br> |               |             |               |          |                                |       |          |          |        |  |  |          |         |      |      |
| AT6: Iritium                 |                  |  |        |  |   | AT16:                                |                                  |  |                    |       |        |       | <br>         |               |             |               |          |                                |       |          |          |        |  |  |          |         |      |      |
| AT7: Strontium-90            | 06-mn            |  |        |  |   | AT17;                                |                                  |  |                    |       |        |       | <u>·</u>     |               |             |               |          |                                |       |          |          |        |  |  |          |         |      |      |
| AT8: Pu Isotopes             | sado             |  |        |  |   | AT18:                                |                                  |  |                    | ĺ     |        |       | <br>I        |               |             |               |          |                                |       |          |          |        |  |  |          |         |      |      |
| AT9: Iodine-129              | 129              | To the tenth of the commence o |        |  | *************************************** | AT19:                                |                                  |  |                    |       |        |       | <br>ا        |               |             |               |          |                                |       |          |          |        |  |  |          |         |      |      |
| AT10: Uranium Isotopes       | n Isoto          | . sad  |        |  |   | AT20:                                |                                  | And the second s |                    |       |        |       |              |               |             |               |          |                                |       |          |          |        |  |  |          |         |      |      |

4 AT4 AT5 AT6 AT7 AT8 AT9 AT10 AT11 AT12 AT13 AT14 AT15 AT16 AT17 AT18 AT19 AT20 Page 3 of SMO Contact: J. D. JACKSON ENTER ANALYSIS TYPES (AT) AND QUANTITY REQUESTED Project Manager: C. J. ROBERIS ~ ž ~ --------2 R. ~ 88 ---88 2 2 SAMPLING AND ANALYSIS PLAN TABLE FOR CHEMICAL AND RADIOLOGICAL ANALYSIS \_ --**~~** £ 2 Æ ---•---N --AT1 AT2 AT3 Project: WAG 3 GROUP 5 OPERATION AND MAINTENANCE - ROUND 1 AB **A**4 \_ -2 DEPTH (ft) N/A N/A ×/A ¥/A N/A N/A N/A N/A N/A N/A N/A N/A MONITORING WELL MONITORING WELL MONITORING WELL MONITORING WELL MONITORING WELL MONITORING WELL MONITORING WELL MONITORING WELL MONITORING WELL MONITORING WELL MONITORING WELL MONITORING WELL TYPE OF LOCATION SAMPLE LOCATION USGS-114 USGS-115 USGS-116 USGS-121 USGS-123 LOCATION USGS-113 **USGS-122** LF3-10 LF3-11 LF3-8 LF3-9 LF2-8 LF2-9 INTEC INTEC INTEC INTEC INTEC INTEC INTEC INTEC INTEC INTEC INTEC INTEC AREA 11/06/00 11/06/00 11/06/00 11/06/00 11/06/00 11/06/00 11/06/00 11/06/00 11/06/00 11/06/00 11/06/00 11/06/00 11/06/00 SAMPLING PLANNED METHOD DATE 0.0 Plan Table Revision: COLL GRAB GRAB GRAB GRAB GRAB GRAB GRAB GRAB GRAB GRAB GRAB ğ Plan Table Number: WAG3GROUP5(RDI)
SAP Number:
Date: 05/17/00 Plan Table R SAMPLE DESCRIPTION GROUND WATER GROUND WATER GROUND WATER GROUND WATER GROUND WATER GROUND WATER GROUND WATER REG/GC GROUND WATER GROUND WATER GROUND WATER GROUND WATER GROUND WATER GROUND WATER MEDIA SAMPLE REG REG REG REG REG REG REG REG REG REG REG SAMPLING ACTIVITY 50M032 50M033 50M036 50M037 50M038 50M039 50M040 50M041 50M042 50M031 50M034 50M035

The sampling activity displayed on this table represents the first six characters of the sample identification number. The complete sample identification number (10 characters) will appear on field guidance forms and sample labels.

COMMENTS

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X X

MONITORING WELL

INTEC INTEC

GRAB GRA8

REG

50M043 50M044 50M045

-

-

N/A

MONITORING WELL

LF2-10

11/06/00

GROUND WATER

REG

N/A

MONITORING WELL

LF2-11

INTEC

11/06/00

GRAB

GROUND WATER

REG

| AT1:  | AT1: Am-241            | AT11: |  |
|-------|------------------------|-------|--|
| AT2:  | AT2: Gross Alpha/Beta  | A712: |  |
| AT3:  | AT3: <u>1c-99</u>      | AT13: |  |
| AT4:  | A14: Mercury           | A714: |  |
| AT5:  | A15: Np-237            | AT15: |  |
| AT6:  | A16: Tritium           | AT16: |  |
| AT7:  | A17: Strontium-90      | A117: |  |
| AT8:  | AT8: Pu Isotopes       | AT18: |  |
| A19:  | A19: lodine-129        | A119: |  |
| AT10: | A710: Uranium Isotopes | A720: |  |

| Pla        | in Tabl  | e Numbe              | Plan Table Number: WAG3GROUP5(RD1) | R01)             |   |   |   | SAMPLING                       | AND ANALYSIS P                  | SAMPLING AND ANALYSIS PLAN TABLE FOR CHEMICAL AND RADIOLOGICAL ANALYSIS   | EMICAL AND           | RADIO | L0G1C4   | IL ANA  | LYSIS  |               |  |                                |         |         |          |  |        |  |  |      |               | Page 4 of | 4        | 4        |   |
|------------|----------|----------------------|------------------------------------|------------------|---|---|---|--------------------------------|---------------------------------|---|----------------------|-------|----------|---------|--|---------------|--|--------------------------------|---------|---------|----------|--|--------|--|--|------|---------------|-----------|----------|----------|---|
| Dat        | Date: 0  | 05/17/00             | Plan Ta                            | ble Re           | Plan Table Revision:                    | 0.0   |   | Project:                       | WAG 3 GROUP                     | WAG 3 GROUP 5 OPERATION AND MAINTENANCE - ROUND 1   | AAINTENANC           | . R   | UND<br>1 |         |  | 270           | ject   | Project Manager: C. J. ROBERIS | ۲:      | ٠.<br>چ | OBERT:   |  | o,     | S<br>€   | SMO Contact:   |      | J. D. JACKSON | JACKS     | ₹        |          |   |
| L          |          | -                    | SAMPLE DESCRIPTION                 | ION              |   |   |   |                                | SAMPLE                          | SAMPLE LOCATION   |                      |       |          |         |  |               | ENTE   | R ANAL                         | YSIS    | TYPES   | (AT)     | ENTER ANALYSIS TYPES (AT) AND QUANTITY REQUESTED                       | ANTITY | REGU   | ESTED  |      |               |           |          |          |   |
|            | 1        | - 1                  |                                    | 1                |   | - 1   |   |                                |                                 |   |                      | AT1   | AT2 A    | AT3 A   | AT4 A  | AT5 A         | T6 A   | TA 77                          | 8 A1    | 9 AT    | 10 AT    | AT6 AT7 AT8 AT9 AT10 AT11 AT12 AT13 AT14 AT15 AT16 AT17 AT18 AT19 AT20 | AT13   | AT 14  | AT 15  | AT16 | AT17          | AT18      | FA       | ATZ      |   |
| A &        | ACTIVITY |                      | TYPE MEDIA                         | 3 <i>⊏</i>       | TYPE METHOD DATE                        | DA:   |   | AREA                           | LOCATION                        | LOCATION  | EFE<br>(£)           | A4    | AB       | EA      | 모  | 9-            | 828  | 88                             | RF R    | Z Z     | S S      |  |        | The state of the s | and the same of th |      |               |           |          | <u> </u> | - |
| ιΩ         | 50M046   | REG                  | GROUND WATER                       |                  | GRAB                                    | 11/06/00  |   | INTEC                          | LF2-12                          | MONITORING WELL   | N/A                  | -     |          | -       | -  | -             | -  | <u> </u>                       | <b></b> | -       | -        |  |        |  |  |      |               |           |          |          | 8 |
| 2          | 50M047   | REG                  | GROUND WATER                       |                  | GRAB                                    | 11/06/00  | 90/9                                    | INTEC                          | MW-18                           | MONITORING WELL   | N/A                  | -     | -        | -       | -  | -             |  | -                              | -       | -       | _        |  |        |  |  |      |               |           |          | <u> </u> |   |
| 5          | 50M048   | မွ                   | WATER                              | Æ                | RNST                                    | 11/06/00  | 90/9                                    | INTEC                          | 00                              | EQUIPMNT RINSTE   | N/A                  | -     | -        | -       | -  | -             | -  | -                              | -       | -       | -        |  |        |  |  |      |               |           | <u> </u> |          | - |
|            |          |                      |                                    | _                |   |   |   |                                |                                 |   |                      |       |          |         |  |               | -  | -                              | -       |         |          | -  |        |  |  |      |               |           | ļ        |          |   |
|            |          | _                    |                                    | -                |   |   |   |                                |                                 |   |                      |       |          |         | <del>                                     </del> |               | <del>                                     </del> | -                              |         | _       |          | -  |        |  |  |      |               |           |          | -        |   |
|            |          |                      |                                    | -                |   |   |   |                                |                                 |   |                      |       |          |         |  |               |  | -                              | -       | -       | $\vdash$ | -  |        |  |  |      |               |           | _        | -        | 7 |
| <u></u>    |          |                      |                                    |                  |   |   |   |                                |                                 |   |                      |       |          |         | ļ  |               |  |                                | -       | -       | -        | -  |        |  |  |      |               |           | _        | ļ        |   |
|            |          |                      |                                    |                  |   |   |   |                                |                                 |   |                      |       |          |         |  |               |  |                                | -       | -       | -        |  |        |  |  |      |               |           |          | -        |   |
|            |          |                      |                                    |                  |   |   |   |                                |                                 |   |                      |       | <u> </u> | <b></b> |  |               |  |                                | _       |         | -        | ļ  |        |  |  |      |               |           |          | _        | , |
|            |          |                      |                                    |                  |   |   |   |                                |                                 |   |                      |       |          |         |  |               |  |                                | -       | -       | ļ        |  |        |  |  |      |               |           |          | <u> </u> | 1 |
|            |          |                      |                                    |                  |   |   |   |                                |                                 |   |                      |       |          |         |  |               |  | -                              | -       |         | -        |  |        |  |  |      |               |           |          | ļ        | 7 |
|            |          |                      |                                    |                  |   |   |   |                                |                                 |   |                      |       |          |         |  |               |  |                                |         | -       | -        |  |        |  |  |      |               |           | <u> </u> | ļ        |   |
|            |          |                      |                                    |                  |   |   |   |                                |                                 |   |                      |       |          |         |  |               |  |                                |         |         |          |  |        |  |  |      |               |           |          | ļ        |   |
|            |          |                      |                                    |                  |   |   |   |                                |                                 |   |                      |       |          |         |  |               |  |                                |         |         |          |  |        |  |  |      |               |           |          |          | т |
|            |          |                      |                                    | -                |   |   |   |                                |                                 |   |                      |       |          |         |  |               |  |                                |         |         |          |  |        |  |  |      |               |           |          | ļ        | T |
| The<br>The | sampt i  | ing acti<br>ite samp | ivity dîsplayed<br>Ne identifîcatî | on th<br>ion nur | is table<br>mber (10                    | represen<br>characte  | ts the fi                               | rst six chara<br>appear on fie | acters of the seld guidance for | The sampling activity displayed on this table represents the first six characters of the sample identification number. The complete sample identification number (10 characters) will appear on field guidance forms and sample labels. | tion numbe<br>abels. | er.   |          |         |  | <u>د</u><br>0 | C O % % E N 1 S                                  | S<br>E                         |         |         |          |  |        |  |  |      |               |           |          |          | ī |
| AT1:       | : Am-241 | 17.                  |                                    |                  |   |   |   | AT11:                          |                                 |   |                      |       |          |         |  |               |  |                                |         |         |          |  |        |  |  |      |               |           |          |          |   |
| AT2:       |          | Gross Alpha/Beta     | ı/Beta                             |                  |   |   |   | AT12:                          |                                 |   |                      | -     |          |         | 1  |               |  |                                |         |         |          |  |        |  |  |      |               |           |          |          |   |
| AT3:       | : Tc-99  | 66                   |                                    |                  |   |   |   | AT13:                          |                                 | ***************************************   |                      |       | ł        |         | <br>   |               |  |                                | ĺ       |         |          |  |        |  |  |      |               |           |          |          |   |
| A14:       |          | Mercury              |                                    |                  |   |   |   | AT14:                          |                                 |   |                      |       | ļ        |         | 1  |               |  |                                |         |         |          |  |        |  |  |      |               |           |          |          |   |
| AT5:       | : Np-237 | 37                   |                                    |                  |   |   | *************************************** | ATT5:                          |                                 |   |                      |       |          |         |  | Į             |  |                                |         |         |          |  |        |  |  |      |               |           |          |          |   |
| AT6:       |          | Tritium              |                                    |                  |   |   | -                                       | ATT6:                          |                                 |   |                      |       |          |         | 1  |               |  |                                | İ       |         |          |  |        |  |  |      |               |           |          |          |   |
| AT7:       |          | Strontium-90         | 90                                 |                  | *************************************** |   |   | AT17:                          |                                 |   |                      |       |          |         |  |               |  |                                | ĺ       |         |          |  |        |  |  |      |               |           |          |          |   |
| AT8:       |          | Pu Isotopes          |                                    |                  |   | - constant of the constant of |   | ATT8:                          |                                 |   |                      |       |          |         |  |               |  |                                |         |         |          |  |        |  |  |      |               |           |          |          |   |
| AT9:       |          | Iodine-129           |                                    |                  |   |   |   | AT19:                          |                                 |   |                      |       |          |         |  |               |  |                                |         |         |          |  |        |  |  |      |               |           |          |          |   |
| :          |          |                      |                                    |                  |   |   |   |                                |                                 |   |                      |       |          |         | <br>   |               |  |                                |         |         |          |  |        |  |  |      |               |           |          |          |   |